



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Agency Interest (AI) No. 1607
Activity No. PER20070002

Mr. Mark C. Douglass
Site Manager
TOTAL Petrochemicals USA, Inc.
P.O. Box 11
Carville, LA 70721-0011

RE: Part 70 Operating Permit Modification; Cos-Mar Styrene Monomer Plant; TOTAL Petrochemicals USA, Inc.; 6325 Highway 75; Carville; Iberville Parish; Louisiana

Dear Mr. Douglass:

This is to inform you that the permit modification requested for the above referenced facility has been approved under LAC 33:III.525. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the 14th of January, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number cited below and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2007.

Permit No.: 1280-00013-V4

Sincerely,

Chuck Carr Brown, Ph. D.
Assistant Secretary

CCB:kap

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

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PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

I. Background

TOTAL PETROCHEMICALS USA, INC. (TOTAL) indirectly owns a partnership interest in Cos-Mar Company (owner of the Cos-Mar Styrene Monomer Plant) and operates the Cos-Mar Styrene Monomer Plant (on behalf of Cos-Mar Company) and the Carville Polystyrene Plant near Carville in Iberville Parish, Louisiana. The Cos-Mar Styrene Monomer Plant has the capacity to produce approximately 2.55 billion pounds of styrene monomer annually and currently operates under Permit No. 1280-00013-V3 issued on April 2, 2007. This permit also includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit No. PSD-LA-690. Boiler HS-1301AR also operates under Permit No. PSD-LA-607 issued on March 17, 1997. The Carville Polystyrene Plant (AI No. 5176) has a rated annual capacity to produce 1.75 billion pounds of polystyrene by the continuous polymerization of styrene monomer and currently operates under Permit No. 1280-00036-V1 issued on December 28, 2006.

This permit modification addresses the Cos-Mar Styrene Monomer Plant air permitting requirements only.

II. Origin

TOTAL submitted an application and Emission Inventory Questionnaire (EIQ) dated April 16, 2007 requesting a minor modification to Part 70 Operating Permit 1280-00013-V3.

III. Description

Process Description

The Styrene Monomer Plant produces styrene monomer through the alkylation of benzene and ethylene to ethyl benzene (EB), followed by dehydrogenation of EB to styrene. Fuels utilized at the facility include natural gas, hydrogen gas from process vents, and process residues, mainly polyethylbenzenes and styrene tar. Finished products, as well as raw materials used as feedstock, are stored in either floating roof storage tanks or fixed roof storage tanks. Marine barges, tanker trucks, and railcars are used to receive raw materials as well as to transport finished products to customers off-site.

The Styrene Monomer Plant is comprised of EB and Styrene Units and associated equipment for materials storage and wastewater treatment. In the EB Unit, fresh and recycled benzene are preheated prior to being combined with fresh ethylene. This mixture is then fed into an alkylation reactor. Product is transferred to the recovery section of the EB Unit, and the reaction heat is recovered via feed/effluent exchange.

In the product recovery section, the distillation train first removes un-reacted benzene from the reactor effluent and recycles it back to the alkylation reactor, while the non-condensables are burned as fuel. The benzene free product is then separated into an EB final product and a heavier bottoms fraction which is further separated into an alkylaromatics stream and a

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PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

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residue. The alkylaromatics stream is recycled back into the process while the residue is used as an absorption liquid in the Styrene Units or sold as an end product.

In the Styrene Unit, recycled EB and fresh EB are mixed, vaporized, and catalytically dehydrogenated to styrene in the presence of superheated steam. Reaction steam condensate is steam-stripped to recover dissolved volatiles. Styrene monomer is purified in vacuum distillation columns. Benzene and toluene are separated and recovered. Benzene is recycled to the EB Unit while toluene is sold as a co-product. EB is recovered from the styrene monomer in the second column and then recycled. Styrene monomer is further purified in the remaining columns.

Dehydrogenation reactor vent gas, consisting primarily of hydrogen, is sent to the adjacent Air Products facility where the hydrogen is removed. The gas stream is then returned to Cos-Mar and used as additional fuel in the process heaters. When Air Products is not operating, the vent gas is used as fuel in the process heaters.

Proposed Permit Description

In this Part 70 operating permit minor modification, TOTAL requested the following changes:

1. To re-instate the following boilers (at the original permitted rates) into its current Title V permit:
 - a. HS-1301B H.P. (High Pressure) Boiler (Source ID No. 145-02-E)
 - b. HS-301A M.P. (Medium Pressure) Boiler (Source ID No. 145-02-K)
 - c. HS-301C M.P. (Medium Pressure) Boiler (Source ID No. 145-02-M)
 - d. HS-301D M.P. (Medium Pressure) Boiler (Source ID No. 145-02-N)

A significant portion of the steam required to operate the Cos-Mar Styrene Monomer Plant is purchased from an adjacent industrial plant, the Calpine Carville Energy Center (Carville Energy). Carville Energy has notified TOTAL that, effective July 1, 2007, Carville Energy may not run the Calpine Carville Energy Center on a full-time basis, which as a practical matter may result in the Calpine Carville Energy Center's inability to meet the full steam needs of Cos-Mar Company. In order to operate both the Cos-Mar Styrene Monomer Plant and the Carville Polystyrene Plant at normal rates, it will be necessary for TOTAL to utilize the steam capacity of all of the boilers at the plant site including those previously removed in Permit No. 1280-00013-V2 dated March 20, 2006 as part of a permit modification to construct, install, and operate a new high pressure boiler, HS-1301BR Boiler (Source ID No. 145-05-Q).

The above boilers have never been permanently shutdown; there will be no change in the method of operations.

2. To extend the construction phase of the installation of HS-1301BR Boiler (Source ID No. 145-05-Q) to allow for the delivery and installation of a Selective Catalytic Reduction (SCR) unit. In the SCR Unit, ammonia will be injected into the hot exhaust stream of the boiler, prior to the catalyst bed, for reduction of nitrogen oxides (NO_x) on the catalyst

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PERMITS DIVISION
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**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
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surface to nitrogen and water; unreacted NO_x, unreacted ammonia, and ammonia from ammonia slip will also be present in the effluent gas. Ammonia is a Class III Louisiana toxic air pollutant (TAP) pursuant to LAC 33:III.Chapter 51 and does not require control technology. HS-1301BR was originally permitted with a vendor guarantee of 0.27 lbs of NO_x/MMBTU emission limit. The SCR unit will be used to reduce NO_x emissions to 0.2 lbs of NO_x/MMBTU emission limit. The anticipated start-up of HS-1301BR is tentatively scheduled for the second quarter of 2007. Prior to the installation of the SCR unit, compliance with the 0.2 lbs of NO_x/MMBTU emission limit will be demonstrated by using the NO_x CEMS performance evaluation in addition to the monitoring, recordkeeping, and reporting requirements of 40 CFR 60 Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units).

Proposed Emissions

Estimated emissions in tons per year for the Cos-Mar Styrene Monomer Plant are as follows:

Pollutant	Before	After	Change
PM ₁₀	335.09	363.60	+ 28.51
SO ₂	10.88	16.29	+ 5.41
NO _x	663.50	1,066.32	+ 402.82
CO	674.76	938.36	+ 263.60
Total VOC*	234.64	252.66	+ 18.02

*VOC TAP Speciation (TPY) LAC 33:III.Chapter 51 Regulated VOC TAPs			
Pollutant	Before	After	Change
Benzene	33.95	33.95	0.00
Cumene	0.63	0.63	0.00
Ethyl benzene	39.57	39.57	0.00
n-Hexane	0.22	0.22	0.00
Methanol	0.02	0.02	0.00
Styrene	92.44	92.44	0.00
Toluene ¹	11.98	11.98	0.00
Xylene ¹	5.21	5.21	0.00
Total VOC TAPs	184.02	184.02	0.00

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

Non-TAP VOC Speciation (TPY)			
Pollutant	Before	After	Change
Ethylene ¹ (Non-TAP VOC)	2.21	2.21	0.00

Pollutant	Before	After	Change
Other VOC (not including Ethylene)	48.41	66.43	+ 18.02

¹ Highly Reactive Volatile Organic Compound (HRVOC)

Non-VOC TAP Speciation (TPY) LAC 33:III.Chapter 51 Regulated Non-VOC TAPS			
Pollutant	Before	After	Change
Ammonia	9.43	17.22	+ 7.79
Chlorine	0.34	0.34	0.00
Total Non-VOC TAPs	9.77	17.56	+ 7.79

Prevention of Significant Deterioration (PSD)

The Cos-Mar Styrene Monomer Plant is a major source under New Source Review regulations promulgated under LAC 33:III.504 and 509. Estimated emissions increases of PSD pollutants from the aforementioned projects are as follows:

Pollutant	Increase (TPY)	PSD deMinimus (TPY)	PSD Netting Analysis Required
PM/PM ₁₀	15.08	25/15	Yes
SO ₂	0.86	40	No
CO	56.23	100	No
NO _x	173.83	40	Yes

The results of the required netting analysis for emissions of PM₁₀ and NO_x are as follows:

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
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CARVILLE, IBERVILLE PARISH, LOUISIANA**

Table B: Netting Analysis: Project Increases Plus Creditable Emissions Increases/Decreases		
	(TPY)	
	PM ₁₀	NO _x
Cos-Mar Modernization Project	N/A ¹	-105.66
Shutdown of HS-1301C (EIQ # 142-02-F)	-1.69	-45.24
Shutdown of HS-301B (EIQ # 142-02-L)	-0.63	-8.45
New Boiler Project		
Total	-2.32	-159.35

¹ Emissions increase/decrease is not creditable due to issuance of Permit No. PSD-LA-690.

Table C: Net Emissions Increase (Table A Increases + Table B Totals)		
	(TPY)	
	PM ₁₀	NO _x
Net	12.76	14.48

The net emission increases of the aforementioned projects are below the significance level needed for PSD review. No further PSD review is required.

Non-attainment New Source Review (NNSR)

The Cos-Mar Styrene Monomer Plant is located in Iberville Parish which is designated as a marginal ozone non-attainment area. The following table lists the project related emission increases for NO_x and VOC which are surrogates for ozone:

Project Related Increases of Ozone Precursors			
Pollutant	Increase (TPY)	NNSR deMinimus for Project Increases (TPY)	NNSR Netting Analysis Required
NO _x	173.83	25	Yes
VOC	3.57	25	No

The project related NO_x increase exceeded the significance (deMinimus) threshold; a netting analysis for NO_x is required. The above netting analysis shows that since the net NO_x emissions increase is 14.48 TPY (Table C), which is less than the 25 TPY NNSR deMinimus for Project Increases, no further NNSR evaluation is required.

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

IV. Type of Review

This application was reviewed for compliance with 40 CFR Part 70, Louisiana Air Quality Regulations, New Source Performance Standards (NSPS) and NESHAP. Prevention of Significant Deterioration (PSD) and Non-Attainment New Source Review (NNSR) regulations do not apply.

The Cos-Mar Styrene Monomer Plant is a major source of LAC 33:III.Chapter 51-regulated toxic air pollutants (TAP). Compliance Plan No. 92025 was approved November 16, 1994. Emissions of benzene, a Class I TAP, and ethyl benzene and styrene, Class II TAPs, are above their respective minimum emission rates (MER) established in LAC 33:III.5112; thus, sources of these compounds require maximum achievable control technology (MACT). Emissions of ammonia, chlorine, and toluene are also above their respective MERs; however, they are Class III TAPs and MACT is not required. The impact of all TAP emissions must be below their respective Ambient Air Standards. Emissions modeling indicates compliance of the Louisiana Toxic Air Pollutant Ambient Air Standards outside of industrial properties.

Emissions of cumene, n-hexane, methanol, and xylene are below their respective MERs.

This facility is subject to and must comply with the provisions of 40 CFR 63 Subpart DDDDD, NESHAP for Industrial, Commercial, and Institutional Boilers and Process Heaters by September 13, 2007. Cos-Mar has submitted a Part 1 application as required by the Clean Air Amendment 112(j).

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

Public comment is required for this permit for the following reasons:

1. A permit which includes a project to install NO_x control equipment that results in ammonia emissions above the minimum emission rate (MER) listed in LAC 33:III.Chapter 51 requires at least 30 days for public comment before issuance of any such permit.

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PERMITS DIVISION
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**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

2. Thirty (30) days for public comment shall be provided for issuing any permit which would allow an increase in any Louisiana toxic air pollutant (TAP) by an amount greater than its MER.

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on XXXXX, 2007, and in *The Post/South*, Plaquemine, Louisiana, on XXXX, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on XXXX, 200. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model(s) Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
PM ₁₀	Annual	0.05 µg/m ³	50 µg/m ³
	24 hr. avg.	1.0 µg/m ³	150 µg/m ³
CO	8 hr. avg.	7 µg/m ³	10,000 µg/m ³
	1 hr. avg.	19 µg/m ³	40,000 µg/m ³
Benzene	Annual	33.76 µg/m ³	12 µg/m ³ *

* Ambient air standard pursuant to LAC 33.III.5112. The exceedance is located over a small undeveloped portion of an adjacent industrial facility not accessible to the public. This location is not reasonably expected to pose a threat to the public.

VIII. General Condition XVII Activities

General Condition XVII Activities emissions from the Styrene Monomer Plant are as follows:

Activity ID No.	Activity	Frequency of Activity
GC-17-1	Maintenance Activities	24/7/52
GC-17-2	Equipment Cleaning Activities	24/7/52
GC-17-3	Bulk Waste Loading/Vacuum Trucks	24/7/52

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

Activity ID No.	Total Annual Emissions				
	PM ₁₀	SO ₂	NO _x	CO	VOC
GC-17-1	-	-	-	-	0.12
GC-17-2	0.05	Neg.	-	0.06	0.19
GC-17-3	-	-	-	-	4.64

IX. Insignificant Activities

Table A: Storage Tanks < 10,000 gallons storing liquids having a true vapor pressure less than 0.5 psia

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Pollutant	Citation
I-3 Tote	I-3 Tote	0.002 TPY	Ethylbenzene	LAC 33:III.501.B.5.A.3
M-1207	M-1207	0.016 TPY	VOC	LAC 33:III.501.B.5.A.3
M-1209	M-1209	0.017 TPY	Methanol	LAC 33:III.501.B.5.A.3
M-1209	M-1209	0.037 TPY	Styrene	LAC 33:III.501.B.5.A.3
M-1238	M-1238	0.011 TPY	VOC	LAC 33:III.501.B.5.A.3
M-1248	M-1248	0.043 TPY	VOC	LAC 33:III.501.B.5.A.3
M-1248	M-1248	0.005 TPY	Methanol	LAC 33:III.501.B.5.A.3
M-1333	M-1333	0.000 TPY	Styrene	LAC 33:III.501.B.5.A.3
M-1333	M-1333	0.000 TPY	Ethylbenzene	LAC 33:III.501.B.5.A.3
M-1360B	M-1360B	<0.001 TPY	VOC	LAC 33:III.501.B.5.A.3
M-1360B	M-1360B	<0.001 TPY	Benzene	LAC 33:III.501.B.5.A.3
M-1361	M-1361	<0.001 TPY	VOC	LAC 33:III.501.B.5.A.3
M-1361	M-1361	<0.001 TPY	Benzene	LAC 33:III.501.B.5.A.3
M-1362	M-1362	<0.001 TPY	VOC	LAC 33:III.501.B.5.A.3
M-1362	M-1362	<0.001 TPY	Benzene	LAC 33:III.501.B.5.A.3
M-1382	M-1382	<0.001 TPY	Ethylene glycol	LAC 33:III.501.B.5.A.3
M-1539	M-1539	0.000 TPY	VOC	LAC 33:III.501.B.5.A.3
M-207	M-207	0.019 TPY	VOC	LAC 33:III.501.B.5.A.3
M-209	M-209	0.019 TPY	Methanol	LAC 33:III.501.B.5.A.3
M-209	M-209	0.023 TPY	Styrene	LAC 33:III.501.B.5.A.3
M-211	M-211	0.004 TPY	Methanol	LAC 33:III.501.B.5.A.3

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PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
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CARVILLE, IBERVILLE PARISH, LOUISIANA**

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Pollutant	Citation
M-211	M-211	0.014 TPY	VOC	LAC 33:III.501.B.5.A.3
M-239	M-239	0.000 TPY	VOC	LAC 33:III.501.B.5.A.3
M-248	M-248	0.005 TPY	Methanol	LAC 33:III.501.B.5.A.3
M-248	M-248	0.043 TPY	VOC	LAC 33:III.501.B.5.A.3
M-382	M-382	<0.001 TPY	Ethylene glycol	LAC 33:III.501.B.5.A.3
M-8207	M-8207	0.011 TPY	VOC	LAC 33:III.501.B.5.A.3
M-8238	M-8238	0.010 TPY	VOC	LAC 33:III.501.B.5.A.3
MS-1250	MS-1250	0.000 TPY	VOC	LAC 33:III.501.B.5.A.3
TOTAL		0.279 TPY		

Table B: Emissions from inorganic air pollutants that are not regulated air pollutants as defined under LAC 33.III.502

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Pollutant	Citation
Potassium Injection	Potassium Injection	0.014 TPY	Potassium Hydroxide	LAC 33:III.501.B.5.A.4
TOTAL		0.014 TPY		

Table C: Emissions from catalyst charging operations

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Pollutant	Citation
Catalyst Loading	Catalyst Loading	0.750 TPY	PM ₁₀	LAC 33:III.501.B.5.A.11
TOTAL		0.750 TPY		

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**COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
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Table D: Emissions from caustic storage tanks that contain no VOC

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Pollutant	Citation
M-306A	M-306A	0.005 TPY	Sodium Hydroxide	LAC 33:III.501.B.5.B.40
M-306B	M-306B	0.017 TPY	Sodium Hydroxide	LAC 33:III.501.B.5.B.40
TOTAL		0.022 TPY		

Table E: Case-by-Case Insignificant Activities

ID No.:	Description	Max Rate (TPY) or Tank Capacity	Pollutant	Citation
M-1213	M-1213	< 0.001 TPY	Ethylene Glycol	LAC 33:III.501.B.5.D
M-213	M-213	< 0.001 TPY	Ethylene Glycol	LAC 33:III.501.B.5.D
M-8213	M-8213	0.005 TPY	Ethylene Glycol	LAC 33:III.501.B.5.D
M-1317	M-1317	<0.001 TPY	Sulfuric Acid	LAC 33:III.501.B.5.D
M-1505	M-1505	<0.001 TPY	Sulfuric Acid	LAC 33:III.501.B.5.D
M-317B	M-317B	<0.001 TPY	Sulfuric Acid	LAC 33:III.501.B.5.D
TOTAL		0.005 TPY		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

TEMPO ID No.	Description	LAC 33:III, Chapter																		
		5'	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2123	2147	2153	2201	51'	56	59'
GRF015	Cos-Mar Styrene Monomer Plant	1	1	1	1						1							1	1	3
EQT004	95-82 GU-334 Lime Storage Vent			1																
EQT002	111-93 AS-500R Vent Scrubber																			
EQT067	A-1501/M-1504 Oily Water Steam Stripper															2		1		
EQT068	A-204/M-202 Stormwater Steam Stripper															2		1		
EQT069	AF-1202/1202A Sty. B Rec. & Rect. Col.														2			1		
EQT070	AF-1203 Styrene B Finishing Column														2			1		
EQT071	AF-202 Styrene A Recycle Column														2			1		
EQT072	AF-203R Styrene A Finishing Column														2			1		
EQT073	AF-208 Styrene A Sec. Finishing Column														2			1		
EQT074	AS-1201/1201A B/T & Rectifier Column														2			1		
EQT075	AS-1205 Styrene A Recycle Column														2			1		
EQT076	AS-201 Styrene A B/T Column														2			1		
EQT077	AS-205 Styrene A Styrene Rec. Column														2			1		
EQT081	DNBP Sump																	1		
EQT082	M-1101 Inhibitor Feed Drum																	1		
EQT083	M-1230 B-Purification Sump																	1		
EQT084	M-1310 B-Offsites Sump									3								1		
EQT085	M-1507 Wastewater Treatment Sump																	1		
EQT086	M-210 A-Offsites Sump																	1		
EQT087	M-230 A-Purification Sump																	1		
EQT088	M-240 A-Dehydro Sump																	1		
EQT130	M-2501R EB III Oily Water Sump																	1		
EQT090	M-2503 EBIII Slop Oil Storage Tank									3								1		

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X. Applicable Louisiana and Federal Air Quality Requirements

TEMPO ID No.	Description	LAC 33:III. Chapter																			
		5'	9'	11'	13'	15'	2103	2107	2108	2111	2113	2115	2122	2123	2147	2153	2201	51'	56'	59'	
EQT091	M-260A Decontamination Tank						3											1			
EQT092	M-260B Decontamination Tank						3											1			
EQT093	M-330 A/B Sump															2		1			
EQT094	M-8220 B-Dehydro Sump															2		1			
EQT095	MF-1109 Crude EB Storage Tank						3										1				
EQT096	MF-126 Styrene B Process Residue Tank						3										1				
EQT097	MF-1304 Crude Styrene Storage Tank						3										1				
EQT098	MF-1330A Styrene Residue Tank						3										1				
EQT099	MF-1330B Styrene Residue Tank						3										1				
EQT100	MF-1332A Inhibitor Storage Tank						3										1				
EQT101	MF-1332B Inhibitor Storage Tank						3										1				
EQT102	MF-1514 Wastewater Storage Tank															2		1			
EQT103	MF-1515 Wastewater Storage Tank															2		1			
EQT104	MF-206 Styrene A Process Residue Tank						3										1				
EQT105	MF-208A Crude Styrene Storage Tank						3										1				
EQT106	MF-208B Crude Styrene Storage Tank						3										1				
EQT107	MS-112 Recycle Styrene Storage Tank						3										1				
EQT108	MS-1307 Slop Oil Storage Tank						3										1				
EQT109	MS-1312 Off-test Styrene Tank						3										1				
EQT110	MS-212 Off-test Styrene Tank						3										1				
EQT115	MS-307A Slop Oil Storage Tank						3										1				
EQT116	MS-307B Slop Oil Storage Tank						3										1				
EQT117	MT-1502 Oily Water Surge Tank															2		1			
EQT003	124-95 M-1360AR Gasoline Storage Tank						1														

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

TEMPO ID No.	Description	LAC 33:III. Chapter																			
		5'	9'	11'	13'	15'	2103	2107	2108	2111	2113	2115	2122	2123	2147	2153	2201	51'	56'	59'	
FUG001	125-95 Fugitives - Refrigeration and SCR Systems																				
FUG002	136-97 Fugitive Emissions - Painting													1							
EQT005	140-02-A MF-1305G Styrene Storage Tank					3															
EQT006	140-02-B MF-1305H Styrene Storage Tank					3															
EQT007	140-02-C MF-1305I Styrene Storage Tank					3															
EQT008	140-02-D MF-305A Styrene Storage Tank					3															
EQT009	140-02-E MF-305B Styrene Storage Tank					3															
EQT010	140-02-F MF-305C Styrene Storage Tank					3															
EQT011	140-02-G MF-305D Styrene Storage Tank					3															
EQT012	140-02-H MF-305E Styrene Storage Tank					3															
EQT013	140-02-I MF-305F Styrene Storage Tank					3															
EQT014	141-02-A MF-303A Benzene Storage Tank					1															
EQT015	141-02-B MF-303B Benzene Storage Tank					1															
EQT016**	141-02-C MF-303C Swing Tank					1															
EQT017	142-02-A MF-1306AR Ethyl Benzene Storage Tank					3															
EQT018	142-02-B MF-1306B Ethyl Benzene Storage Tank					3															
EQT019	142-02-C MF-302A Ethyl Benzene Storage Tank					3															
EQT020	142-02-D MF-302B Ethyl Benzene Storage Tank					3															
EQT021	142-02-E MF-304 Ethyl Benzene Storage Tank					3															
EQT022	143-02-A MF-1301 Toluene Storage Tank					3															
EQT023	143-02-B MF-301 Toluene Storage Tank					3															
EQT024	144-02-A Marine Loading														3	3					
EQT025	144-02-B Railcar & Truck Loading														3						
EQT026	145-02-A HF-1201/1219 Process Superheater	1		1	1	1											1				

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

TEMPO ID No.	Description	LAC 33:III. Chapter																			
		5'	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2123	2147	2153	2201	51'	56	59'	
EQT028	145-02-C HS-1220 Process Superheater			1	1	1															
EQT029	145-02-D HS-1301AR H.P. Boiler	1		1	1	1												1			
EQT131	145-02-E HS-1301B H.P. Boiler	1		1	1	1												1			
EQT031	145-02-G HS-2102 Regeneration Gas Heater	1		1	1	1												3			
EQT032	145-02-H HS-2103 BZ Recovery Column Heater	1		1	1	1												1			
EQT033	145-02-I HS-2104 EB Recovery Column Heater	1		1	1	1												1			
EQT034	145-02-J HS-2105 PEB Recovery Column Heater	1		1	1	1												3			
EQT132	145-02-K HS-301A M.P. Boiler			1	1	1												1			
EQT133	145-02-M HS-301C M.P. Boiler			1	1	1												1			
EQT134	145-02-N HS-301D M.P. Boiler			1	1	1												1			
EQT038	145-02-O HS-8201/8219 Process Superheater	1		1	1	1												1			
EQT039	145-02-P HS-8220 Reheater	1		1	1	1												1			
EQT129	145-05-Q HS-1301BR Boiler	1		1	1	1												1			
EQT119	MR-1201 AR Styrene A Dehydro Reactor																				3
EQT120	MR-1201BRR Styrene A Dehydro Reactor																				3
EQT121	MR-1201C Styrene A Dehydro Reactor																				3
EQT122	MR-8201AR Styrene B Dehydro Reactor																				3
EQT123	MR-8201BR Styrene B Dehydro Reactor																				3
EQT124	MR-8201C Styrene B Dehydro Reactor																				3
EQT125	MR-8203AR PAR Reactor																				3
EQT126	MR-8203BR PAR Reactor																				3
FUG003	146-02 Process Fugitives																				1
EQT040	147-02-A Effluent Sump 1517																				3
EQT041	147-02-B GU-1501 WWTS Effluent Clarifier																				3

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

TEMPO ID No.	Description	LAC 33:III Chapter																					
		5'	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2123	2147	2153	2201	51'	56	59'			
EQT042	147-02-C M-1501 Wastewater Storage Tank																						
EQT043	147-02-D M-1506A WW Neutralization Tank																						
EQT044	147-02-E M-1506B WW Neutralization Tank																						
EQT045	147-02-F M-2514 Stormwater Storage Tank																						
EQT046	147-02-G M-2520 EBIII Storm Water Sump																						
EQT047	147-02-H M-2521 EBIII Storm Water Sump																						
EQT048	147-02-I Stormwater Sump 5																						
EQT049	147-02-J Stormwater Sump 6																						
EQT050	147-02-K East Tankfarm Stormwater Sump 19																						
EQT051	147-02-L EB II Sump 4																						
EQT052	147-02-M West Tankfarm Stormwater Sump 2																						
EQT053	147-02-N East Tankfarm Stormwater Sump 3																						
EQT054	147-02-O East Tankfarm Stormwater Sump 1326																						
EQT055	147-02-P M-321 Railcar Rack Wastewater Tank																						
EQT056	148-02-A MF-109 PEB Residue Storage Tank									3													
EQT057	148-02-B MF-225 PEB Residue Storage Tank									3													
EQT058	149-02-A M-1314 Boiler Feed - Water Tank									3													
EQT059	149-02-B M-314 Boiler Feed - Water Tank									3													
EQT060	150-02-A GQ-1306 Flare	1		1	1	1																	
EQT061	150-02-B GQ-2310 Flare	1		1	1	1																	
EQT062	150-02-C GQ-304 Flare	1		1	1	1																	
EQT127	AS-2106 PEB Recovery Column																						
EQT063	151-02 Sampling Operations																						
EQT064	152-02-A G-1301 Cooling Tower 2																						

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements

TEMPO ID No.	Description	LAC 33:III Chapter																			
		5'	9	11	13	15	2103	2107	2108	2111	2113	2115	2122	2123	2147	2153	2201	51'	56	59'	
EQT065	152-02-B G-301 Cooling Tower 1																				
EQT066	152-02-C G-302 Cooling Tower 3																				
EQT128	AS-2107R Vent Gas Scrubber										3				2						
GRP018	141-02-C MF-303C Swing Tank (Alternate Scenario - Benzene Service)	1																			
GRP019	141-02-C MF-303C Swing Tank (Alternate Scenario - Ethyl Benzene Service)	1																			

1 All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State-Only.

* The regulations indicated above are State-Only regulations.

** MF-303C is permitted as a "swing tank" and is permitted to store either benzene or ethyl benzene. This tank is designated in TEMPO as an alternate scenario in which emissions from this tank when in benzene service are represented in GRP018 and in GRP019 when in ethyl benzene service.

KEY TO MATRIX

- 1 - The regulations have applicable requirements which apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60										40 CFR 61										40 CFR 63										40 CFR	
		A	D	Db	Dc	K	Ka	Kb	Vv	N	R	A	F	J	M	V	Y	BB	FF	A	F	G	H	Q	Y	D	64	68					
TEMPO ID No.	Description																																
EQT088	M-240 A-Dehydro Sump																																
EQT130	M-2501R EBIII Oily Water Sump																																
EQT090	M-2503 EBIII Slop Oil Storage Tank						3																										
EQT091	M-260A Decontamination Tank						3																										
EQT092	M-260B Decontamination Tank						3																										
EQT093	M-330 A/B Sump																																
EQT094	M-8220 B-Dehydro Sump																																
EQT095	MF-1109 Crude EB Storage Tank						3																										
EQT096	MF-126 Styrene B Process Residue Tank						3																										
EQT097	MF-1304 Crude Styrene Storage Tank						3																										
EQT098	MF-1330A Styrene Residue Tank						3																										
EQT099	MF-1330B Styrene Residue Tank						3																										
EQT100	MF-1332A Inhibitor Storage Tank						3																										
EQT101	MF-1332B Inhibitor Storage Tank						3																										
EQT102	MF-1514 Wastewater Storage Tank						3																										
EQT103	MF-1515 Wastewater Storage Tank						3																										
EQT104	MF-206 Styrene A Process Residue Tank						3																										
EQT105	MF-208A Crude Styrene Storage Tank						3																										
EQT106	MF-208B Crude Styrene Storage Tank						3																										
EQT107	MS-112 Recycle Styrene Storage Tank						3																										
EQT108	MS-1307 Slop Oil Storage Tank						3																										

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60										40 CFR 61							40 CFR 63						40 CFR			
		A	D	Db	Dc	K	Ka	Kb	Vv	Nn	R	F	A	J	M	V	Y	BB	FF	A	F	G	H	Q	Y	D	64	68
TEMPO ID No.	Description																											
EQT009	MS-1312 Off-test Styrene Tank						3																					
EQT110	MS-212 Off-test Styrene Tank						3																					
EQT115	MS-307A Slop Oil Storage Tank						3																					
EQT116	MS-307B Slop Oil Storage Tank						3																					
EQT117	MT-1502 Oily Water Surge Tank																											
EQT003	124-95 M-1360AR Gasoline Storage Tank						3																					
FUG001	125-95 Fugitives - Refrigeration and SCR Systems																											
FUG002	136-97 Fugitive Emissions - Painting																											
EQT005	140-02-A MF-1305G Styrene Storage Tank						3																					
EQT006	140-02-B MF-1305H Styrene Storage Tank						3																					
EQT007	140-02-C MF-1305I Styrene Storage Tank	1					1																					
EQT008	140-02-D MF-305A Styrene Storage Tank						3																					
EQT009	140-02-E MF-305B Styrene Storage Tank						3																					
EQT010	140-02-F MF-305C Styrene Storage Tank						3																					
EQT011	140-02-G MF-305D Styrene Storage Tank						3																					
EQT012	140-02-H MF-305E Styrene Storage Tank						3																					
EQT013	140-02-I MF-305F Styrene Storage Tank						3																					
EQT014	141-02-A MF-303A Benzene Storage Tank	1					1																					
EQT015	141-02-B MF-303B Benzene Storage Tank	1					1																					
EQT016**	141-02-C MF-303C Swing Tank	1					1																					
EQT017	142-02-A MF-1306AR Ethyl Benzene Storage Tank	1					1																					

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

X. Applicable Louisiana and Federal Air Quality Requirements		40 CFR 60										40 CFR 61							40 CFR 63						40 CFR				
		A	D	Db	Dc	K	Ka	Kb	Vv	Nn	R	A	F	J	M	V	Y	Bb	Ff	A	F	G	H	Q	Y	D	D	64	68
TEMPO ID No.	Description																												
EQT051	147-02-L EB U Sump 4																		3		3								
EQT052	147-02-M West Tankfarm Stormwater Sump 2																		3		3								
EQT053	147-02-N East Tankfarm Stormwater Sump 3																		3		3								
EQT054	147-02-O East Tankfarm Stormwater Sump 1326																		3		3								
EQT055	147-02-P M-321 Railcar Rack Wastewater Tank																		2		1								
EQT056	148-02-A MF-109 PEB Residue Storage Tank																				3								
EQT057	148-02-B MF-225 PEB Residue Storage Tank																				3								
EQT058	149-02-A M-1314 Boiler Feed - Water Tank																				3								
EQT059	149-02-B M-314 Boiler Feed - Water Tank																				3								
EQT060	150-02-A GQ-1306 Flare	1																			1								
EQT061	150-02-B GQ-2310 Flare	1																			1								
EQT062	150-02-C GQ-304 Flare	1																			1								
EQT127	AS-2106 PEB Recovery Column																												
EQT063	151-02 Sampling Operations																												
EQT064	152-02-A G-1301 Cooling Tower 2																												
EQT065	152-02-B G-301 Cooling Tower 1																												
EQT066	152-02-C G-302 Cooling Tower 3																												
EQT128	AS-2107R Vent Gas Scrubber	1																											
GRP018	141-02-C MF-303C Swing Tank (Alternate Scenario - Benzene Service)																												

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
GRP015	Cos-Mar Styrene Monomer Plant	LAC 33:III.Chapter 59 Chemical Accident Prevention Program	DOES NOT APPLY. Facility does not produce, process, handle, or store any substance listed in 40 CFR 68.130 or Table 59.0 and Table 59.1 of LAC 33:III.Chapter 59 in an amount greater than the threshold quantity (as determined in 40 CFR 68.115). [LAC 33:III.5907]
		40 CFR 61.146(a) and (b), Subpart M National Emission Standard for Asbestos - Standard for Spraying	DOES NOT APPLY. 40 CFR 61.146(a) & (b) do not apply to the spray-on application of materials where the asbestos fibers in the materials are encapsulated with a bituminous or resinous binder during spraying and the materials are not friable after drying. [40 CFR 61.146(c)]
		40 CFR Part 68 Chemical Accident Prevention Provisions	DOES NOT APPLY. Facility will not produce, process, handle, or store any substance listed in 40 CFR 68.130 in an amount greater than the threshold quantity (as determined in the manner described in 40 CFR 68.115). [40 CFR 68.10(a)]
EQT004	95-82 GU-334 Lime Storage Vent	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Source does not have potential pre-control device emissions of PM ₁₀ that are equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source (100 TPY). [40 CFR 64.2(a)(3)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
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 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT002	111-93 AS-500R Vent Scrubber	40 CFR Part 64 Compliance Assurance Monitoring	EXEMPT. Benzene: Part 64 does not apply to emission limitations or standards for which the Part 70 permit specifies a continuous compliance demonstration method. [40 CFR 64.2(b)(1)(vi)] (See 40 CFR 61.354(c)(8)) OHAP: Part 64 does not apply to standards proposed after November 15, 1990 pursuant to section 112 of the CAA. [40 CFR 64.2(b)(1)(i)] 40 CFR 63 Subparts F & G were proposed on December 31, 1992.
EQT067 EQT068	A-1501/M-1504 Oily Water Steam Stripper A-204/M-202 Stormwater Steam Stripper	LAC 33:III.2153 Limiting VOC Emissions From Industrial Wastewater	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart FF is exempt from the provisions LAC 33:III.2153. [LAC 33:III.2153.G.6]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT069	AF-1202/AF-1202A Styrene B Recycle and Rectifier Column	LAC 33:III.2147 Limiting VOC Emissions from Reactor Processes and Distillation Operations	EXEMPT. Any reactor process that is subject to the HON or NSPS NNN is not subject to the provisions of LAC 33:III.2147. [LAC 33:III.2147.A.2.g]
EQT070	AF-1203 Styrene B Finishing Column		
EQT071	AF-202 Styrene A Recycle Column		
EQT072	AF-203R Styrene A Finishing Column		
EQT073	AF-208 Styrene A Secondary Finishing Column		
EQT074	AS-1201/AS-1201A Benzene/ Toluene and Rectifier Column		
EQT075	AS-1205 Styrene A Recycle Column		
EQT076	AS-201 Styrene A Benzene/Toluene Column		
EQT077	AS-205 Styrene A Styrene Recovery Column		
EQT081	DNBP Sump	LAC 33:III.2153	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart FF is exempt from the provisions LAC 33:III.2153. [LAC 33:III.2153.G.6]
EQT083	M-1230 B-Purification Sump	Limiting VOC Emissions From Industrial Wastewater	
EQT084	M-1310 B-Offsites Sump		
EQT085	M-1507 Wastewater Treatment Sump		
EQT086	M-210 A-Offsites Sump		
EQT087	M-230 A-Purification Sump		
EQT088	M-240 A-Dehydro Sump		
EQT093	M-330 A/B Sump		
EQT094	M-8220 B-Dehydro Sump		
EQT130	M-2501R EBIII Oily Water Sump		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT082 EQT090 EQT095 EQT096 EQT097 EQT098 EQT099 EQT100 EQT101 EQT104 EQT105 EQT106 EQT107 EQT108 EQT109 EQT110 EQT115 EQT116	M-1101 Inhibitor Feed Drum M-2503 EBIII Slop Oil Storage Tank MF-1109 Crude EB Storage Tank MF-126 Styrene B Process Residue Tank MF-1304 Crude Styrene Storage Tank MF-1330A Styrene Residue Tank MF-1330B Styrene Residue Tank MF-1332A Inhibitor Storage Tank MF-1332B Inhibitor Storage Tank MF-206 Styrene A Process Residue Tank MF-208A Crude Styrene Storage Tank MF-208B Crude Styrene Storage Tank MS-112 Recycle Styrene Storage Tank MS-1307 Slop Oil Storage Tank MS-1312 Off-test Styrene Tank MS-212 Off-test Styrene Tank MS-307A Slop Oil Storage Tank MS-307B Slop Oil Storage Tank	LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions.
EQT091 EQT092	M-260A Decontamination Tank M-260B Decontamination Tank	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Tanks were constructed prior to July 23, 1984, and have not been modified or reconstructed. [40 CFR 60.110b(a)] DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT091 EQT092	M-260A Decontamination Tank M-260B Decontamination Tank	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 40 CFR 63 Subpart F National Emission Standards for Organic HAP From the SOCFMI	DOES NOT APPLY. Tank capacities are less than 40 cubic meters (10,500 gallons). [40 CFR 60.110b(a)] DOES NOT APPLY. These tanks are not part of a chemical manufacturing process unit. [40 CFR 63.100(b), 40 CFR 63.101] These tanks are "soak tanks" used to dissolve polymer that has coated various process items. These tanks do not interact with the process at any time.
EQT102 EQT103	MF-1514 Wastewater Storage Tank MF-1515 Wastewater Storage Tank	LAC 33:III.2153 Limiting VOC Emissions From Industrial Wastewater	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart FF is exempt from the provisions LAC 33:III.2153. [LAC 33:III.2153.G.6] DOES NOT APPLY. 40 CFR 60 Subpart Kb applies to storage vessels. These tanks are process tanks per the definition of "Process Tank" in 40 CFR 60.111b. A process tank is not a storage vessel by definition of "Storage Vessel" per 40 CFR 60.111b. [40 CFR 60.110b]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT

AGENCY INTEREST NO.: 1607

TOTAL PETROCHEMICALS USA, INC.

CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT117	MT-1502 Oily Water Surge Tank	LAC 33:III.2153 Limiting VOC Emissions From Industrial Wastewater	EXEMPT. Any component of a wastewater storage, handling, transfer, or treatment facility that is subject to the NESHAP Subpart FF is exempt from LAC 33:III.2153. [LAC 33:III.2153.G.6]
EQT003	124-95 M-1360AR Gasoline Storage Tank	40 CFR 60 Subpart Ka Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984	DOES NOT APPLY. Storage capacity is less than 40,000 gallons. [40 CFR 60.110a(a)] Tank was constructed in 1980 and has a volume of 600 gallons.
FUG002	136-97 Fugitive Emissions - Painting	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 LAC 33:III.2123.C & F.3 Organic Solvents	DOES NOT APPLY. Tank was constructed prior to July 23, 1984, and has not been modified or reconstructed. [40 CFR 60.110b(a)] DO NOT APPLY. LAC 33:III.2123.C & F.3 are not applicable because Cos-Mar is not a surface coating industry.
EQT008	140-02-D MF-305A Styrene Storage Tank	LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions.
EQT009	140-02-E MF-305B Styrene Storage Tank		
EQT010	140-02-F MF-305C Styrene Storage Tank		
EQT011	140-02-G MF-305D Styrene Storage Tank		
EQT012	140-02-H MF-305E Styrene Storage Tank		
EQT013	140-02-I MF-305F Styrene Storage Tank		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT008 EQT009 EQT010 EQT011 EQT012 EQT013	140-02-D MF-305A Styrene Storage Tank 140-02-E MF-305B Styrene Storage Tank 140-02-F MF-305C Styrene Storage Tank 140-02-G MF-305D Styrene Storage Tank 140-02-H MF-305E Styrene Storage Tank 140-02-I MF-305F Styrene Storage Tank	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Tanks were constructed prior to July 23, 1984, and have not been modified or reconstructed. [40 CFR 60.110b(a)] Tanks were constructed in 1968 and have not been modified or reconstructed. DOES NOT APPLY. Sources do not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT005 EQT006	140-02-A MF-1305G Styrene Storage Tank 140-02-B MF-1305H Styrene Storage Tank	LAC 33:III.2103 Storage of Volatile Organic Compounds 40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions. DOES NOT APPLY. Tanks were constructed prior to July 23, 1984, and have not been modified or reconstructed. [40 CFR 60.110b(a)] Tanks were constructed in 1975 and have not been modified or reconstructed. DOES NOT APPLY. These tanks do not have potential pre-control device emissions of VOC that are equal to or greater than 100% of the amount, in TPY, required for the sources to be classified as major sources (25 TPY). [40 CFR 64.2(a)(3)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT007	140-02-C MF-1305I Styrene Storage Tank	LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Vapor pressure is less than 1.5 psia at storage conditions.
EQT014 EQT015 EQT016	141-02-A MF-303A Benzene Storage Tank 141-02-B MF-303B Benzene Storage Tank 141-02-C MF-303C Swing Tank	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Source does not have potential pre-control device emissions of VOC that are equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source (25 TPY). [40 CFR 64.2(a)(3)]
EQT017 EQT018	142-02-A MF-1306AR EB Storage Tank 142-02-B MF-1306B EB Storage Tank	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Sources do not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)] An EFR does not meet the definition of <i>control device</i> per 40 CFR 64.1. DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions.
		40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Sources do not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)] An EFR does not meet the definition of <i>control device</i> per 40 CFR 64.1.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT019 EQT020 EQT021	142-02-C MF-302A EB Storage Tank 142-02-D MF-302B EB Storage Tank 142-02-E MF-304 EB Storage Tank	LAC 33:III.2.103 Storage of Volatile Organic Compounds 40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions. DOES NOT APPLY. Tanks were constructed prior to July 23, 1984, and have not been modified or reconstructed. [40 CFR 60.110b(a)] Tanks were constructed in 1968, 1974, and 1968, respectively, and have not been modified or reconstructed. DOES NOT APPLY. These tanks do not have potential pre-control device emissions of VOC that are equal to or greater than 100% of the amount, in TPY, required for the sources to be classified as major sources (25 TPY). [40 CFR 64.2(a)(3)]
EQT022	143-02-A MF-1301 Toluene Storage Tank	LAC 33:III.2.103 Storage of Volatile Organic Compounds 40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Vapor pressure is less than 1.5 psia at storage conditions. DOES NOT APPLY. Tank was constructed prior to July 23, 1984, and has not been modified or reconstructed. [40 CFR 60.110b(a)] Tank was constructed in 1975 and has not been modified or reconstructed.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
<i>(continued)</i> EQT022	143-02-A MF-1301 Toluene Storage Tank	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Source does not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT023	143-02-B MF-301 Toluene Storage Tank	LAC 33:III.2103 Storage of Volatile Organic Compounds	An EFR does not meet the definition of <i>control device</i> per 40 CFR 64.1. DOES NOT APPLY. Vapor pressure is less than 1.5 psia at storage conditions.
EQT056	148-02-A MF-109 PEB Residue Storage Tank	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Tank was constructed prior to July 23, 1984, and has not been modified or reconstructed. [40 CFR 60.110b(a)]
EQT057	148-02-B MF-225 PEB Residue Storage Tank	40 CFR Part 64 Compliance Assurance Monitoring	Tank was constructed in 1968 and has not been modified or reconstructed. DOES NOT APPLY. Source does not have potential pre-control device emissions of VOC that are equal to or greater than 100% of the amount, in TPY, required for the source to be classified as a major source (25 TPY). [40 CFR 64.2(a)(3)]
		LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT056 EQT057	148-02-A MF-109 PEB Residue Storage Tank 148-02-B MF-225 PEB Residue Storage Tank	40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Tanks were constructed prior to July 23, 1984, and have not been modified or reconstructed. [40 CFR 60.110b(a)] Tanks were constructed in 1968 and have not been modified or reconstructed.
		40 CFR 63 Subpart F National Emission Standards for Organic HAP From the SOCMCI	DOES NOT APPLY. These tanks do not meet the definition of a storage vessel because they do not store organic liquids that contain one or more OHAPs listed in Table 2 of Subpart F. [40 CFR 63.101]
EQT058 EQT059	149-02-A M-1314 Boiler Feed – Water Tank 149-02-B M-314 Boiler Feed – Water Tank	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. The Potentials-to-Emit of these sources are below the major source threshold without a control device. [40 CFR 64.2(a)(3)]
		LAC 33:III.2103 Storage of Volatile Organic Compounds	DOES NOT APPLY. Vapor pressures of these tanks are less than 1.5 psia at storage conditions.
		40 CFR 60 Subpart Kb VOL Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984	DOES NOT APPLY. Tanks were constructed prior to July 23, 1984, and have not been modified or reconstructed. [40 CFR 60.110b(a)] Tanks were constructed in 1975 and 1968, respectively, and have not been modified or reconstructed.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT058 EQT059	149-02-A M-1314 Boiler Feed – Water Tank 149-02-B M-314 Boiler Feed – Water Tank	40 CFR 61 Subpart FF National Emission Standard for Benzene Waste Operations 40 CFR 63 Subpart F National Emission Standards for Organic HAP From the SO2MI	DOES NOT APPLY. Tanks do not store benzene waste material. DOES NOT APPLY. Tanks do not meet the definition of a <i>storage vessel</i> because they do not store organic liquids that contain one or more OHAPs listed in Table 2 of Subpart F. [40 CFR 63.101] DOES NOT APPLY. The Potentials-to-Emit of these sources are below the major source threshold without a control device. [40 CFR 64.2(a)(3)]
EQT026 EQT032 EQT033	145-02-A HF-1201/1219 Process Superheater 145-02-H HS-2103 BZ Recovery Column Heater 145-02-I HS-2104 EB Recovery Column Heater	40 CFR Part 64 Compliance Assurance Monitoring LAC 33:III:Chapter 13 (Subchapter A) Particulate Matter Emission Standards	DOES NOT APPLY. The Potentials-to-Emit of these sources are below the major source threshold without a control device. [40 CFR 64.2(a)(3)] DOES NOT APPLY. Subchapter A requirements do not apply for the burning of fuel for indirect heating. [LAC 33:III.1301.B]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT026 EQT032 EQT033	145-02-A HF-1201/1219 Process Superheater 145-02-H HS-2103 BZ Recovery Column Heater 145-02-I HS-2104 EB Recovery Column Heater	LAC 33:III Chapter 15 Emission Standards for Sulfur Dioxide	EXEMPT. Units emitting less than 250 tons per year of sulfur compounds measured as SO ₂ (sulfur dioxide) are exempted from the 2,000 ppmv limitation established by LAC 33:III.1503.C. [LAC 33:III.1503.C] The Cos-Mar Styrene Monomer Plant has a potential-to-emit (PTE) of 16.29 tpy of SO ₂ . The administrative authority shall not require continuous monitoring for sources emitting less than 100 tons per year of SO ₂ into the atmosphere. [LAC 33:III.1511.A] To demonstrate exemption from this Chapter, recordkeeping and reporting requirements of LAC 33:III.1513 do apply.
		40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	DOES NOT APPLY. Sources do not meet the definition of a <i>fossil-fuel fired steam generating unit</i> . [40 CFR 60.40(a)(1), 40 CFR 60.41(a)] Sources were constructed in 1975, 1982, and 1982, respectively, and have not been modified or reconstructed.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT026 EQT032 EQT033	145-02-A HF-1201/1219 Process Superheater 145-02-H HS-2103 BZ Recovery Column Heater 145-02-I HS-2104 EB Recovery Column Heater	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Sources do not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT031 EQT034	145-02-G HS-2102 Regeneration Gas Heater 145-02-J HS-2105 PEB Recovery Column Heater	LAC 33:III.Chapter 13 (Subchapter A) Particulate Matter Emission Standards	DOES NOT APPLY. Subchapter A requirements do not apply for the burning of fuel for indirect heating. [LAC 33:III.1301.B]
		LAC 33:III.Chapter 15 Emission Standards for Sulfur Dioxide	EXEMPT. Units emitting less than 250 tons per year of sulfur compounds measured as SO ₂ (sulfur dioxide) are exempted from the 2,000 ppmv limitation established by LAC 33:III.1503.C. [LAC 33:III.1503.C] The Cos-Mar Styrene Monomer Plant has a potential-to-emit (PTE) of 16.29 tpy of SO ₂ .
			The administrative authority shall not require continuous monitoring for sources emitting less than 100 tons per year of SO ₂ into the atmosphere. [LAC 33:III.1511.A] To demonstrate exemption from this Chapter, recordkeeping and reporting requirements of LAC 33:III.1513 do apply.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT031 EQT034	145-02-G HS-2102 Regeneration Gas Heater 145-02-J HS-2105 PEB Recovery Column Heater	LAC 33:III.2201 Control of NO _x	DOES NOT APPLY. Sources have a maximum rated capacity less than 80 MMBtu/hr. [LAC 33:III.2201.C.1]
		40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	DOES NOT APPLY. Sources do not meet the definition of <i>fossil-fuel fired steam generating unit</i> . [40 CFR 60.40(a)(1), 40 CFR 60.41(a)]
		40 CFR Part 64 Compliance Assurance Monitoring	Sources were constructed in 1982. DOES NOT APPLY. Sources do not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT028	145-02-C HS-1220 Process Superheater	LAC 33:III.Chapter 13 (Subchapter A) Particulate Matter Emission Standards	DOES NOT APPLY. Subchapter A requirements do not apply for the burning of fuel for indirect heating. [LAC 33:III.1301.B]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQ1028	145-02-C HS-1220 Process Superheater	LAC 33:III-Chapter 15 Emission Standards for Sulfur Dioxide	EXEMPT. Units emitting less than 250 tons per year of sulfur compounds measured as SO ₂ (sulfur dioxide) are exempted from the 2,000 ppmv limitation established by LAC 33:III.1503.C. [LAC 33:III.1503.C] The Cos-Mar Styrene Monomer Plant has a potential-to-emit (PTE) of 16.29 tpy of SO ₂ . The administrative authority shall not require continuous monitoring for sources emitting less than 100 tons per year of SO ₂ into the atmosphere. [LAC 33:III.1511.A] To demonstrate exemption from this Chapter, recordkeeping and reporting requirements of LAC 33:III.1513 do apply.
		40 CFR 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	DOES NOT APPLY. Source does not meet the definition of <i>steam generating unit</i> . <i>Steam generating unit</i> does not include process heaters. [40 CFR 60.40c(a), 40 CFR 60.41c]
		40 CFR Part 64 Compliance Assurance Monitoring	Source was constructed in 1990. DOES NOT APPLY. Source does not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT029 EQT129	145-02-D HS-1301AR H.P. Boiler 145-05-Q HS-1301BR Boiler	LAC 33:III.Chapter 13 (Subchapter A) Particulate Matter Emission Standards LAC 33:III.Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Subchapter A requirements do not apply for the burning of fuel for indirect heating. [LAC 33:III.1301.B] EXEMPT. Units emitting less than 250 tons per year of sulfur compounds measured as SO ₂ (sulfur dioxide) are exempted from the 2,000 ppmv limitation established by LAC 33:III.1503.C. [LAC 33:III.1503.C] The Cos-Mar Styrene Monomer Plant has a potential-to-emit (PTE) of 16.29 tpy of SO ₂ . The administrative authority shall not require continuous monitoring for sources emitting less than 100 tons per year of SO ₂ into the atmosphere. [LAC 33:III.1511.A] To demonstrate exemption from this Chapter, recordkeeping and reporting requirements of LAC 33:III.1513 do apply.
		40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	DOES NOT APPLY. Source has a maximum heat input rate of less than 250 MMBtu/hr. [40 CFR 60.40(a)(1)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT029 EQT129	145-02-D HS-1301AR H.P. Boiler 145-05-Q HS-1301BR Boiler	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. NO_x: Part 64 does not apply to emission limitations or standards for which the Part 70 permit specifies a continuous compliance demonstration method. [40 CFR 64.2(b)(1)(vi)] A NO _x CEMS has been installed pursuant to 40 CFR 60 Subpart Db. DOES NOT APPLY. PM/PM₁₀, SO₂, CO, & VOC: Source does not use a control device to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT131	145-02-E HS-1301B H.P. Boiler	LAC 33:III.Chapter 13 (Subchapter A) Particulate Matter Emission Standards	DOES NOT APPLY. Subchapter A requirements do not apply for the burning of fuel for indirect heating. [LAC 33:III.1301.B]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT131	145-02-E HS-1301B H.P. Boiler	LAC 33:III:Chapter 15 Emission Standards for Sulfur Dioxide	EXEMPT. Units emitting less than 250 tons per year of sulfur compounds measured as SO ₂ (sulfur dioxide) are exempted from the 2,000 ppmv limitation established by LAC 33:III.1503.C. [LAC 33:III.1503.C] The Cos-Mar Styrene Monomer Plant has a potential-to-emit (PTE) of 16.29 tpy of SO ₂ . The administrative authority shall not require continuous monitoring for sources emitting less than 100 tons per year of SO ₂ into the atmosphere. [LAC 33:III.1511.A] To demonstrate exemption from this Chapter, recordkeeping and reporting requirements of LAC 33:III.1513 do apply. DOES NOT APPLY. Source has a maximum heat input rate of less than 250 MMBtu/hr. [40 CFR 60.40(a)(1)]
		40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971 40 CFR 60 Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	DOES NOT APPLY. Source was not constructed, modified, or reconstructed on or after June 19, 1984. [40 CFR 60.40b(a)] HS-1301B was constructed in 1975.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT131	145-02-E HS-1301B H.P. Boiler	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Source does not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT132 EQT133 EQT134	145-02-K HS-301A M.P. Boiler 145-02-M HS-301C M.P. Boiler 145-02-N HS-301D M.P. Boiler	LAC 33:III.Chapter 13 (Subchapter A) Particulate Matter Emission Standards LAC 33:III.Chapter 15 Emission Standards for Sulfur Dioxide	DOES NOT APPLY. Subchapter A requirements do not apply for the burning of fuel for indirect heating. [LAC 33:III.1301.B] EXEMPT. Units emitting less than 250 tons per year of sulfur compounds measured as SO ₂ (sulfur dioxide) are exempted from the 2,000 ppmv limitation established by LAC 33:III.1503.C. [LAC 33:III.1503.C] The Cos-Mar Styrene Monomer Plant has a potential-to-emit (PTE) of 16.29 tpy of SO ₂ . The administrative authority shall not require continuous monitoring for sources emitting less than 100 tons per year of SO ₂ into the atmosphere. [LAC 33:III.1511.A] To demonstrate exemption from this Chapter, recordkeeping and reporting requirements of LAC 33:III.1513 do apply.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT132 EQT133 EQT134	145-02-K HS-301A M.P. Boiler 145-02-M HS-301C M.P. Boiler 145-02-N HS-301D M.P. Boiler	40 CFR 60 Subpart D Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971	DOES NOT APPLY. Sources were not constructed, modified, or reconstructed after August 17, 1971. Also, the maximum heat input rate of each source is less than 250 MM Btu/hr. [40 CFR 60.40(a)(1), 40 CFR 60.40(c)] Sources were constructed in 1968.
		40 CFR 60 Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	DOES NOT APPLY. Sources were not constructed, modified, or reconstructed on or after June 19, 1984. [40 CFR 60.40b(a)]
		40 CFR Part 64 Compliance Assurance Monitoring	Sources were constructed in 1968. DOES NOT APPLY. Sources do not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT038 EQT039	145-02-O HS-8201/8219 Process Superheater 145-02-P HS-8220 Reheater	LAC 33:III.Chapter 13 (Subchapter A) Particulate Matter Emission Standards	DOES NOT APPLY. Subchapter A requirements do not apply for the burning of fuel for indirect heating. [LAC 33:III.1301.B]
		40 CFR 60 Subpart Db Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units	DOES NOT APPLY. Sources do not meet the definition of a <i>steam generating unit</i> . A <i>Steam generating unit</i> does not include process heaters. [40 CFR 60.40b(a), 40 CFR 60.41b]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT038 EQT039	145-02-O HS-8201/8219 Process Superheater 145-02-P HS-8220 Reheater	40 CFR Part 64 Compliance Assurance Monitoring	DOES NOT APPLY. Sources do not use control devices to achieve compliance with an emission limitation or standard. [40 CFR 64.2(a)(2)]
EQT119 EQT120 EQT121 EQT122 EQT123 EQT124 EQT125 EQT126	MR-1201ARR Styrene A Dehydro Reactor MR-1201BRR Styrene A Dehydro Reactor MR-1201C Styrene A Dehydro Reactor MR-8201AR Styrene B Dehydro Reactor MR-8201BR Styrene B Dehydro Reactor MR-8201C Styrene B Dehydro Reactor MR-8203 AR PAR Reactor MR-8203 BR PAR Reactor	LAC 33:III.2115 Waste Gas Disposal	DOES NOT APPLY. Per the definition of <i>waste gas stream</i> , process gaseous streams that are used as primary fuels and streams that transfer such fuels to a plant fuel gas system are not considered to be waste gas. [LAC 33:III.2115.M]
		LAC 33:III.2147 Limiting VOC Emissions from Reactor Processes and Distillation Operations	EXEMPT. Any reactor process that is subject to NSPS RRR is not subject to the provisions of LAC 33:III.2147. [LAC 33:III.2147.A.2.g]
		40 CFR 63 Subpart F National Emission Standards for Organic HAP From the SOCOMI	DOES NOT APPLY. Reactor vents do not meet the definition of <i>process vent</i> under 40 CFR 63.101. A "gas stream" is not a stream routed to a fuel gas system. [40 CFR 63.107(a) & (h)(3)]
EQT024	144-02-A Marine Loading	LAC 33:III.2107 Volatile Organic Compounds -- Loading	DOES NOT APPLY. Loading facilities are for volatile organic compounds having a true vapor pressure at loading conditions less than 1.5 psia. [LAC 33:III.2107.A]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT024	144-02-A Marine Loading	LAC 33:III.2108 Marine Vapor Recovery	DOES NOT APPLY. Uncontrolled emissions of VOC are less than 100 tons per year. Furthermore, emissions from VOCs with a true vapor pressure of less than 1.5 psia at the loading temperature of the liquid are exempt from control requirements. [LAC 33:III.2108.A]
		40 CFR 61 Subpart BB National Emission Standard for Benzene Emissions From Benzene Transfer Operations	DOES NOT APPLY. Loading racks do not load benzene. [40 CFR 61.300(a)]
		40 CFR 63 Subpart Y Marine Tank Vessel Loading Operations	DOES NOT APPLY. Subpart Y does not apply to emissions resulting from marine tank vessel loading operations of commodities with vapor pressures less than 1.5 psia at standard conditions. [40 CFR 63.560(d)]
EQT025	144-02-B Railcar & Truck Loading	LAC 33:III.2107 Volatile Organic Compounds – Loading	DOES NOT APPLY. Loading facilities are for volatile organic compounds having a true vapor pressure at loading conditions less than 1.5 psia. [LAC 33:III.2107.A]
		40 CFR 61 Subpart BB National Emission Standard for Benzene Emissions From Benzene Transfer Operations	DOES NOT APPLY. Loading racks do not load benzene. [40 CFR 61.300(a)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT040 EQT041 EQT043 EQT044	147-02-A Effluent Sump 1517 147-02-B GU-1501 WWTS Effluent Clarifier (Equalization Basin) 147-02-D M-1506A WW Neutralization Tank 147-02-E M-1506B WW Neutralization Tank	LAC 33:III.2153 Limiting VOC Emissions From Industrial Wastewater	DOES NOT APPLY. Facility does not contain any streams meeting the definition of <i>Affected VOC Wastewater</i> . [LAC 33:III.2153.A] The VOC concentrations in these sources are less than 1,000 parts per million by weight (ppmw). DOES NOT APPLY. Facility does not contain any streams meeting the definition of <i>Affected VOC Wastewater</i> . [LAC 33:III.2153.A]
EQT042	147-02-C M-1501 Waste Water Storage Tank	LAC 33:III.2153 Limiting VOC Emissions From Industrial Wastewater	The VOC concentration in this source is less than 1,000 parts per million by weight (ppmw). DOES NOT APPLY. Storm water and utility wastewater do not meet the definition of <i>waste stream</i> as defined in 40 CFR 61.341
		40 CFR 61 Subpart FF National Emission Standard for Benzene Waste Operations	DOES NOT APPLY. Utility units do not meet the definition of <i>Chemical Manufacturing Process Unit</i> as defined in 40 CFR 63.101, thus wastewater from these units do not meet the definition of HON wastewater. [40 CFR 63.100(b)]
		40 CFR 63 Subpart F – Applicability and Designation of Source	

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT042	147-02-C M-1501 Waste Water Storage Tank	40 CFR 63 Subpart G - National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Wastewater	DOES NOT APPLY. Utility units do not meet the definition of <i>Chemical Manufacturing Process Unit</i> as defined in 40 CFR 63.101, thus wastewater from these units do not meet the definition of HON wastewater. [40 CFR 63.100(b)]
EQT045 EQT046 EQT047 EQT048 EQT049 EQT050 EQT051 EQT052 EQT053 EQT054	147-02-F M-2514 Storm Water Storage Tank 147-02-G M-2520 EBIII Storm Water Sump 147-02-H M-2521 EBIII Storm Water Sump 147-02-I Storm Water Sump 5 147-02-J Storm Water Sump 6 147-02-K East Tank Farm Storm Water Sump 19 147-02-L EB II Sump 4 147-02-M West Tank Farm Storm Water Sump 2 147-02-N East Tank Farm Storm Water Sump 3 147-02-O East Tank Farm Storm Water Sump 1326	LAC 33:III.2153 Limiting VOC Emissions From Industrial Wastewater	DOES NOT APPLY. Facility does not contain any streams meeting the definition of <i>Affected VOC Wastewater</i> . [LAC 33:III.2153.A] The VOC concentrations in these sources are less than 1,000 parts per million by weight (ppmw).
		40 CFR 61 Subpart FF National Emission Standard for Benzene Waste Operations	DOES NOT APPLY. Waste that is contained in a segregated storm water sewer system is exempt from Subpart FF. [40 CFR 61.340(c)(2)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT045 EQT046 EQT047 EQT048 EQT049 EQT050 EQT051 EQT052 EQT053 EQT054	147-02-F M-2514 Storm Water Storage Tank 147-02-G M-2520 EBIII Storm Water Sump 147-02-H M-2521 EBIII Storm Water Sump 147-02-I Storm Water Sump 5 147-02-J Storm Water Sump 6 147-02-K East Tank Farm Storm Water Sump 19 147-02-L EB II Sump 4 147-02-M West Tank Farm Storm Water Sump 2 147-02-N East Tank Farm Storm Water Sump 3 147-02-O East Tank Farm Storm Water Sump 1326	40 CFR 63 Subpart F – Applicability and Designation of Source	DOES NOT APPLY. Sources are part of a segregated storm water system and are not subject to 40 CFR 63 Subpart F. [40 CFR 63.100(f)(2)]
EQT055	147-02-P M-321 Railcar Rack Wastewater Tank	40 CFR 63 Subpart G – National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Wastewater. LAC 33:III.2153 – Limiting VOC Emissions from Industrial Wastewater	DOES NOT APPLY. Sources contain storm water from a segregated sewer system and are not a wastewater stream under HON 40 CFR 63.100(f). DOES NOT APPLY. Facility does not contain any streams meeting the definition of <i>Affected VOC Wastewater</i> . [LAC 33:III.2153.A]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
<i>(continued)</i> EQT055	147-02-P M-321 Railcar Rack Wastewater Tank	40 CFR 61 Subpart FF National Emission Standard for Benzene Waste Operations	EXEMPT. Source manages waste streams that have flow weighted annual average benzene concentration of less than 10 ppmw and is exempt per 40 CFR 61.342(c)(2). A waste stream is exempt from 40 CFR 61.342(c)(1) provided that the owner or operator demonstrates initially and, thereafter, at least once per year that the conditions specified in 40 CFR 61.342(c)(3)(i) or (c)(3)(ii) are met.
EQT060	150-02-A GQ-1306 Flare	LAC 33:III.2201	EXEMPT.
EQT061	150-02-B GQ-2310 Flare	Affected Facilities in the Baton Rouge Nonattainment Area and the Region of Influence	Flares are exempted from the provisions of LAC 33:III.2201 per LAC 33:III.2201.C.7.
EQT062	150-02-C GQ-304 Flare	LAC 33:III.1311.C	EXEMPT.
EQT064	152-02-A G-1301 Cooling Tower 2	Particulate Matter Emission Standards	DOES NOT APPLY.
EQT065	152-02-B G-301 Cooling Tower 1		When the presence of uncombined water is the only reason for failure of an emission to meet the requirements of LAC 33:III.1311.C, Section 1311 does not apply. [LAC 33:III.1311.F]
EQT066	152-02-C G-302 Cooling Tower 3	40 CFR 63 Subpart Q NESHAP for Industrial Process Cooling Towers	DOES NOT APPLY. Sources were not operated with chromium-based water treatment chemicals on or after September 8, 1994. [40 CFR 63.400(a)]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
EQT127	AS-2106 PEB Recovery Column	LAC 33:III.2115 Waste Gas Disposal	DOES NOT APPLY. LAC 33:III.2115 does not apply to waste gas streams that must comply with a control requirement, meet an exemption, or are below an applicability threshold specified in another section of Chapter 21. (See LAC 33:III.2147.A.2.g) EXEMPT. Any distillation operation that is subject to the Hazardous Organic NESHAP (HON) is not subject to the provisions of LAC 33:III.2147. [LAC 33:III.2147.A.2.g]
		LAC 33:III.2147 Limiting VOC Emissions from Reactor Processes and Distillation Operations	DOES NOT APPLY. Source was constructed prior to December 30, 1983, and has not been modified or reconstructed. [40 CFR 60.660(b)]
EQT128	AS-2107R Vent Gas Scrubber	40 CFR 60 Subpart NNN Standards of Performance for VOC Emissions From SO2MI Distillation Operations LAC 33:III.2115 Waste Gas Disposal LAC 33:III.2147 Limiting VOC Emissions from Reactor Processes and Distillation Operations	DOES NOT APPLY. Per the definition of <i>waste gas stream</i> , process gaseous streams that are used as primary fuels and streams that transfer such fuels to a plant fuel gas system are not considered to be waste gas. [LAC 33:III.2115.M] EXEMPT. Any distillation operation that is subject to NSPS NNN is not subject to the provisions of LAC 33:III.2147. [LAC 33:III.2147.A.2.g]

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XI. Explanation for Exemption Status or Non-Applicability of a Source			
ID No:	Description	Requirement	Compliance Method/Provision
(continued) EQT128	AS-2107R Vent Gas Scrubber	40 CFR 63 Subpart F National Emission Standards for Organic HAP From the SOCOMI	DOES NOT APPLY. Vent does not meet the definition of <i>process vent</i> under 40 CFR 63.101. A "gas stream" is not a stream routed to a fuel gas system. [40 CFR 63.107(a) & (h)(3)] Vent stream is routed to the EB III fuel gas system.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

COS-MAR STYRENE MONOMER PLANT
 AGENCY INTEREST NO.: 1607
 TOTAL PETROCHEMICALS USA, INC.
 CARVILLE, IBERVILLE PARISH, LOUISIANA

XII. Equipment List (see also Inventories, Relationships)			
TEMPO ID No.	Description	Notes	
EQT119	MR-1201AR Styrene A Dehydro Reactor	Reactor process vent streams are routed to the facility fuel gas system.	
EQT120	MR-1201BRR Styrene A Dehydro Reactor		
EQT121	MR-1201C Styrene A Dehydro Reactor		
EQT122	MR-8201AR Styrene B Dehydro Reactor		
EQT123	MR-8201BR Styrene B Dehydro Reactor		
EQT124	MR-8201C Styrene B Dehydro Reactor		
EQT125	MR-8203AR PAR Reactor		
EQT126	MR-8203BR PAR Reactor		
-	MR-2126A Transalkylation Reactor		Reactor vessels do not have a process vent.
-	MR-2126B Transalkylation Reactor		
-	MR-2126C Transalkylation Reactor		
-	MR-2128 Alkylation Reactor		
-	MR-2127 Reactive Guard Bed		
EQT128	AS-2107R Vent Gas Scrubber	Vent stream is directed to the EBIII fuel gas system.	
-	AF-2105 Ethyl benzene Recovery Column	The non-condensed overhead streams are routed to AS-2107R for further processing.	
-	AS-2101R Benzene Prefractionator		
-	AS-2102 Benzene Recovery Column		
-	AS-2104 Benzene Recycle Column		
-	MR-2101ARR Benzene Treater	Equipment does not have a process vent. The vessels contain activated alumina to remove feedstock impurities via adsorption.	
-	MR-2101SRR Benzene Treater		
-	MS-2129A/B SMUBB Treaters		
-	MS-2130 Ethylene Treater		

STATE-ONLY SPECIFIC CONDITIONS

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

1. Failure to comply with any of the following conditions will represent a violation of this permit.
2. Fugitive emissions of VOC shall be controlled by a monitoring program conforming to Part 70 Specific Condition 1.

The number of each type of component required to be monitored for each monitoring period under applicable leak definition and repair programs shall be reported to the Department by inclusion with each periodic monitoring report. Fugitive emission piping components may be added to or removed from the permitted units, without triggering the need to apply for a permit modification, provided:

- e. changes in components involve routine maintenance or are undertaken to address safety concerns, or involve small piping revisions with no associated emissions increases except from the fugitive emission components themselves;
 - b. the changes do not involve any associated increase in production rate or capacity, or tie in of new or modified process equipment other than the piping components;
 - c. actual emissions following the changes will not exceed the emission limits contained in this permit; and
 - d. the components are promptly incorporated into any applicable leak detection and repair program.
3. The GU-334 Lime Storage Vent sock filter shall be maintained and operated properly. Filter vents shall be inspected for visible emissions during loading activities. The filter elements (bags) shall be inspected every six months and whenever visual checks indicate maintenance may be necessary. Elements shall be changed as necessary. Records of visual checks and maintenance inspections of the sock filter shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 2. Permittee shall demonstrate compliance with the NO_x and CO emission limits of this permit by performing stack tests on the HS-8220 Reheater, Emission Point 145-02-P. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E-Determination of Nitrogen Oxides Emissions from Stationary Sources and Method 10-Determination of Carbon Monoxide Emissions from Stationary Sources. Alternate stack test methods may be used with prior approval of the Office of Environmental Assessment, Environmental Technology Division.

STATE-ONLY SPECIFIC CONDITIONS

COS-MAR STYRENE MONOMER PLANT

AGENCY INTEREST NO.: 1607

TOTAL PETROCHEMICALS USA, INC.

CARVILLE, IBERVILLE PARISH, LOUISIANA

3. Permittee shall control VOC emissions from the following tanks by operating and maintaining vent condensers employing chilled glycol.

Emission Point	Description	Maximum Outlet Temperature
142-02-C	MF-302A Ethyl benzene Storage Tank	62°F
142-02-D	MF-302B Ethyl benzene Storage Tank	62°F
142-02-E	MF-304 Ethyl benzene Storage Tank	62°F
143-02-B	MF-301 Toluene Storage Tank	51°F

Monitor and record the daily average temperature of the glycol at the glycol outlet. These records shall be kept onsite and available for inspection by the Office of Environmental Compliance, Surveillance Division. An annual report shall be submitted to the Office of Environmental Compliance, Enforcement Division, listing the dates that the maximum glycol temperatures specified in the above table are exceeded. For purposes of this condition, a day shall refer to the 24-hour period of time beginning at 7:00 a.m.

4. Pursuant to LAC 33:III.507.G.5, the permittee is authorized to introduce and interchange inhibitors as necessary to prevent polymerization of styrene monomer in the distillation columns, provided that any compound(s) employed do not result in an increase in emissions above permitted levels or result in the emission of any HAP/TAP not previously emitted. The effect on NO_x emissions shall be verified via the NO_x CEMS installed on HS-1301AR H.P. Boiler, Emission Point 145-02-D. If it can reasonably be expected that emissions of a criteria pollutant other than NO_x will increase, emissions shall be verified by stack testing using methods approved by the Office of Environmental Assessment, Environmental Technology Division.

PART 70 SPECIFIC CONDITIONS

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

1. Permittee shall comply with a streamlined equipment leaks monitoring program. Compliance with the streamlined program in accordance with this specific condition shall serve to comply with each of the applicable fugitive emission monitoring programs being streamlined, as indicated in the following table. Noncompliance with the streamlined program in accordance with this specific condition may subject the permittee to enforcement action for one or more of the applicable fugitive emission programs.
 - a. Permittee shall apply the streamlined program to the combined universe of components subject to any of the programs being streamlined. Any component type which does not require periodic monitoring under the overall most stringent program shall be monitored as required by the most stringent requirements of any other program being streamlined and will not be exempted. The streamlined program will include any exemptions based on size of component available in any of the programs being streamlined.
 - b. Permittee shall use leak definitions and monitoring frequency based on the overall most stringent program. Percent leaker performance shall be calculated using the provisions of the overall most stringent program. Annual monitoring shall be defined as once every 4 quarters. Some allowance may be made in the first year of the streamlined program in order to allow for transition from existing monitoring schedules.
 - c. Permittee shall comply with recordkeeping and reporting requirements of the overall most stringent program. Semiannual reports shall be submitted on February 15 and August 15, to cover the periods July 1 through December 31 and January 1 through June 30, respectively. The semiannual reports shall include any monitoring performed within the reporting period.

Unit or Plant Site	Programs Being Streamlined	Stream Applicability (by weight)	Overall Most Stringent Program
Cos-Mar Styrene Monomer Plant	40 CFR 63 Subpart H	5% OHAP	40 CFR 63 Subpart H*
	LAC 33:III.Chapter 51	5% Class I & II TAP	
	LAC 33:III.2122	10% VOC	
	40 CFR 61 Subpart V	10% VHAP (Benzene)	
	40 CFR 61 Subpart J	10% Benzene	
	40 CFR 60 Subpart VV	10% VOC	

*Process drains shall be monitored per LAC 33:III.2122.

PART 70 SPECIFIC CONDITIONS

**COS-MAR STYRENE MONOMER PLANT
AGENCY INTEREST NO.: 1607
TOTAL PETROCHEMICALS USA, INC.
CARVILLE, IBERVILLE PARISH, LOUISIANA**

2. Install, calibrate, maintain, and operate according to the manufacturer's specifications a monitoring device equipped with a continuous recorder to measure either the concentration level of the organic compounds or the benzene concentration level in the exhaust vent stream from the AS-500R Vent Scrubber, Emission Point 111-93. Inspect at least once each operating day the data recorded by the monitoring equipment to ensure that the control device is operating properly. These records shall be kept onsite and available for inspection by the Office of Environmental Compliance, Surveillance Division.
3. The permittee shall control VOC emissions from the following tanks by operating and maintaining vent scrubbers employing chilled styrene monomer as the scrubbing liquid. The daily average temperature of the scrubbing liquid at the scrubbing agent outlet shall not exceed that specified in the table below to ensure a 50% reduction in VOC emissions.

Emission Point	Description	Maximum Outlet Temperature
140-02-A	MF-1305G Styrene Storage Tank	45° F
140-02-B	MF-1305H Styrene Storage Tank	45° F
140-02-C	MF-1305I Styrene Storage Tank	45° F

Install, calibrate, maintain, and operate according to the manufacturer's specifications a monitoring device equipped with a continuous recorder to measure the daily average temperature of the scrubbing liquid at the scrubbing agent outlet. These records shall be kept onsite and available for inspection by the Office of Environmental Compliance, Surveillance Division. An annual report shall be submitted by March 31 to the Office of Environmental Compliance, Enforcement Division, listing the dates that the maximum temperatures specified in the above table are exceeded in the previous calendar year. For purposes of this condition, a day shall refer to the 24-hour period of time beginning at 7:00 a.m.

4. MF-303C shall be permitted as a "swing tank" and shall be permitted to store either benzene or ethyl benzene. TOTAL shall maintain an on-site record(s) documenting the amount of time that MF-303C is in ethyl benzene service, not to exceed nine (9) months in a calendar year. Emissions from MF-303C while in ethyl benzene service shall be reported under the existing Ethyl Benzene Storage Tank Cap (GRP006). Emissions from MF-303C while in benzene service shall be reported under the existing Benzene Storage Tank Cap (GRP005).

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

40 CFR PART 70 GENERAL CONDITIONS

4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year.
[LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as

40 CFR PART 70 GENERAL CONDITIONS

defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.

40 CFR PART 70 GENERAL CONDITIONS

2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);

40 CFR PART 70 GENERAL CONDITIONS

5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated April 16, 2007.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT002	111-93 AS-500R Vent Scrubber					8760 hr/yr (All Year)
EQT003	124-95 M-1360 AR Gasoline Storage Tank	600 gallons	10000 gallons/yr			8760 hr/yr (All Year)
EQT004	95-82 GU-334 Lime Storage Vent		1680 tons/yr			8760 hr/yr (All Year)
EQT005	140-02-A MF-1305G Styrene Storage Tank	2.1 million gallons				8760 hr/yr (All Year)
EQT006	140-02-B MF-1305H Styrene Storage Tank	2.1 million gallons				8760 hr/yr (All Year)
EQT007	140-02-C MF-1305I Styrene Storage Tank	2.1 million gallons				8760 hr/yr (All Year)
EQT008	140-02-D MF-305A Styrene Storage Tank	690900 gallons				8760 hr/yr (All Year)
EQT009	140-02-E MF-305B Styrene Storage Tank	690900 gallons				8760 hr/yr (All Year)
EQT010	140-02-F MF-305C Styrene Storage Tank	690900 gallons				8760 hr/yr (All Year)
EQT011	140-02-G MF-305D Styrene Storage Tank	690900 gallons				8760 hr/yr (All Year)
EQT012	140-02-H MF-305E Styrene Storage Tank	690900 gallons				8760 hr/yr (All Year)
EQT013	140-02-I MF-305F Styrene Storage Tank	690900 gallons				8760 hr/yr (All Year)
EQT014	141-02-A MF-303A Benzene Storage Tank	2.53 million gallons				8760 hr/yr (All Year)
EQT015	141-02-B MF-303B Benzene Storage Tank	2.53 million gallons				8760 hr/yr (All Year)
EQT016	141-02-C MF-303C Swing Tank	3.61 million gallons				8760 hr/yr (All Year)
EQT017	142-02-A MF-1306AR Ethyl Benzene Storage Tank	2.53 million gallons				8760 hr/yr (All Year)
EQT018	142-02-B MF-1306B Ethyl Benzene Storage Tank	2.86 million gallons				8760 hr/yr (All Year)
EQT019	142-02-C MF-302A Ethyl Benzene Storage Tank	1.3 million gallons				8760 hr/yr (All Year)
EQT020	142-02-D MF-302B Ethyl Benzene Storage Tank	1.22 million gallons				8760 hr/yr (All Year)
EQT021	142-02-E MF-304 Ethyl Benzene Storage Tank	577600 gallons				8760 hr/yr (All Year)
EQT022	143-02-A MF-1301 Toluene Storage Tank	1.06 million gallons				8760 hr/yr (All Year)
EQT023	143-02-B MF-301 Toluene Storage Tank	633000 gallons				8760 hr/yr (All Year)
EQT024	144-02-A Marine Loading		1600 gallons/min			8760 hr/yr (All Year)
EQT025	144-02-B Railcar & Truck Loading		1600 gallons/min			8760 hr/yr (All Year)
EQT026	145-02-A HF-1201/1219 Process Superheater		298.9 MM BTU/hr			8760 hr/yr (All Year)
EQT028	145-02-C HS-1220 Process Superheater		95 MM BTU/hr			8760 hr/yr (All Year)
EQT029	145-02-D HS-1301AR H.P. Boiler		236 MM BTU/hr			8760 hr/yr (All Year)
EQT031	145-02-G HS-2102 Regeneration Gas Heater		14.4 MM BTU/hr			8760 hr/yr (All Year)
EQT032	145-02-H HS-2103 BZ Recovery Column Heater		182.1 MM BTU/hr			8760 hr/yr (All Year)
EQT033	145-02-I HS-2104 EB Recovery Column Heater		269.3 MM BTU/hr			8760 hr/yr (All Year)
EQT034	145-02-J HS-2105 PEB Recovery Column Heater		25.2 MM BTU/hr			8760 hr/yr (All Year)
EQT038	145-02-O HS-8201/8219 Process Superheater		280 MM BTU/hr			8760 hr/yr (All Year)
EQT039	145-02-P HS-8220 Reheater		195 MM BTU/hr			8760 hr/yr (All Year)
EQT040	147-02-A Effluent Sump 1517	25200 gallons				8760 hr/yr (All Year)
EQT041	147-02-B GU-1501 WWTS Effluent Clarifier	660000 gallons				8760 hr/yr (All Year)
EQT042	147-02-C M-1501 Wastewater Storage Tank	105000 gallons				8760 hr/yr (All Year)
EQT043	147-02-D M-1506A WW Neutralization Tank	15370 gallons				8760 hr/yr (All Year)

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co
Activity Number: PER20070002
Permit Number: 1280-00013-V4
Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT044	147-02-E M-1506B WW Neutralization Tank	15370 gallons				8760 hr/yr (All Year)
EQT045	147-02-F M-2514 Stormwater Storage Tank	105000 gallons				8760 hr/yr (All Year)
EQT046	147-02-G M-2520 EBIII Storm Water Sump	9600 gallons				8760 hr/yr (All Year)
EQT047	147-02-H M-2521 EBIII Storm Water Sump	4800 gallons				8760 hr/yr (All Year)
EQT048	147-02-I Storm Water Sump 5	3000 gallons				8760 hr/yr (All Year)
EQT049	147-02-J Storm Water Sump 6	81000 gallons				8760 hr/yr (All Year)
EQT050	147-02-K East Tankfarm Storm Water Sump 19	4150 gallons				8760 hr/yr (All Year)
EQT051	147-02-L EB II Sump 4	7130 gallons				8760 hr/yr (All Year)
EQT052	147-02-M West Tankfarm Storm Water Sump 2	3230 gallons				8760 hr/yr (All Year)
EQT053	147-02-N East Tankfarm Storm Water Sump 3	3230 gallons				8760 hr/yr (All Year)
EQT054	147-02-O East Tankfarm Storm Water Sump 1326	6500 gallons				8760 hr/yr (All Year)
EQT055	147-02-P M-321 Rallicar Rack Wastewater Tank	1020 gallons				8760 hr/yr (All Year)
EQT056	148-02-A MF-109 PEB Residue Storage Tank	81200 gallons				8760 hr/yr (All Year)
EQT057	148-02-B MF-225 PEB Residue Storage Tank	26500 gallons				8760 hr/yr (All Year)
EQT058	149-02-A M-1314 Boiler Feed - Water Tank	540960 gallons				8760 hr/yr (All Year)
EQT059	149-02-B M-314 Boiler Feed - Water Tank	541000 gallons				8760 hr/yr (All Year)
EQT060	150-02-A GQ-1306 Flare		.2 MM BTU/hr			8760 hr/yr (All Year)
EQT061	150-02-B GQ-2310 Flare		.9 MM BTU/hr			8760 hr/yr (All Year)
EQT062	150-02-C GQ-304 Flare		.2 MM BTU/hr			8760 hr/yr (All Year)
EQT063	151-02 Sampling Operations					8760 hr/yr (All Year)
EQT064	152-02-A G-1301 Cooling Tower 2		58000 gallons/min			8760 hr/yr (All Year)
EQT065	152-02-B G-301 Cooling Tower 1		36000 gallons/min			8760 hr/yr (All Year)
EQT066	152-02-C G-302 Cooling Tower 3		19167 gallons/min			8760 hr/yr (All Year)
EQT067	A-1501/M-1504 Oily Water Steam Stripper					8760 hr/yr (All Year)
EQT068	A-204/M-202 Stormwater Steam Stripper					8760 hr/yr (All Year)
EQT069	AF-1202/AF-1202A Styrene B Recycle and Rectifier Column					8760 hr/yr (All Year)
EQT070	AF-1203 Styrene B Finishing Column					8760 hr/yr (All Year)
EQT071	AF-202 Styrene A Recycle Column					8760 hr/yr (All Year)
EQT072	AF-203R Styrene A Finishing Column					8760 hr/yr (All Year)
EQT073	AF-208 Styrene A Secondary Finishing Column					8760 hr/yr (All Year)
EQT074	AS-1201/AS-1201A Benzene/Toluene and Rectifier Column					8760 hr/yr (All Year)
EQT075	AS-1205 Styrene A Recycle Column					8760 hr/yr (All Year)
EQT076	AS-201 Styrene A Benzene/Toluene Column					8760 hr/yr (All Year)
EQT077	AS-205 Styrene A Styrene Recovery Column					8760 hr/yr (All Year)
EQT081	DNBP Sump	1030 gallons				8760 hr/yr (All Year)
EQT082	M-1101 Inhibitor Feed Drum	12000 gallons				8760 hr/yr (All Year)
EQT083	M-1230 B-Purification Sump	2300 gallons				8760 hr/yr (All Year)

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT084	M-1310 B-Offsites Sump	2300 gallons				8760 hr/yr (All Year)
EQT085	M-1507 Wastewater Treatment Sump	4630 gallons				8760 hr/yr (All Year)
EQT086	M-210 A-Offsites Sump	2300 gallons				8760 hr/yr (All Year)
EQT087	M-230 A-Purification Sump	2300 gallons				8760 hr/yr (All Year)
EQT088	M-240 A-Dehydro Sump	2300 gallons				8760 hr/yr (All Year)
EQT090	M-2503 EBIII Slop Oil Storage Tank	4300 gallons				8760 hr/yr (All Year)
EQT091	M-260A Decontamination Tank	450 gallons				8760 hr/yr (All Year)
EQT092	M-260B Decontamination Tank	450 gallons				8760 hr/yr (All Year)
EQT093	M-330 A/B Sump	2300 gallons				8760 hr/yr (All Year)
EQT094	M-8220 B-Dehydro Sump	2300 gallons				8760 hr/yr (All Year)
EQT095	MF-1109 Crude EB Storage Tank	95300 gallons				8760 hr/yr (All Year)
EQT096	MF-126 Styrene B Process Residue Tank	114500 gallons				8760 hr/yr (All Year)
EQT097	MF-1304 Crude Styrene Storage Tank	600000 gallons				8760 hr/yr (All Year)
EQT098	MF-1330A Styrene Residue Tank	43500 gallons				8760 hr/yr (All Year)
EQT099	MF-1330B Styrene Residue Tank	43500 gallons				8760 hr/yr (All Year)
EQT100	MF-1332A Inhibitor Storage Tank	12700 gallons				8760 hr/yr (All Year)
EQT101	MF-1332B Inhibitor Storage Tank	12700 gallons				8760 hr/yr (All Year)
EQT102	MF-1514 Wastewater Storage Tank	971000 gallons				8760 hr/yr (All Year)
EQT103	MF-1515 Wastewater Storage Tank	860000 gallons				8760 hr/yr (All Year)
EQT104	MF-206 Styrene A Process Residue Tank	81200 gallons				8760 hr/yr (All Year)
EQT105	MF-208A Crude Styrene Storage Tank	255000 gallons				8760 hr/yr (All Year)
EQT106	MF-208B Crude Styrene Storage Tank	255000 gallons				8760 hr/yr (All Year)
EQT107	MS-112 Recycle Styrene Storage Tank	22500 gallons				8760 hr/yr (All Year)
EQT108	MS-1307 Slop Oil Storage Tank	22500 gallons				8760 hr/yr (All Year)
EQT109	MS-1312 Off-test Styrene Tank	339000 gallons				8760 hr/yr (All Year)
EQT110	MS-212 Off-test Styrene Tank	255000 gallons				8760 hr/yr (All Year)
EQT115	MS-307A Slop Oil Storage Tank	6000 gallons				8760 hr/yr (All Year)
EQT116	MS-307B Slop Oil Storage Tank	6000 gallons				8760 hr/yr (All Year)
EQT117	MT-1502 Oily Water Surge Tank	154000 gallons				8760 hr/yr (All Year)
EQT119	MR-1201AR Styrene A Dehydro Reactor					8760 hr/yr (All Year)
EQT120	MR-1201BRR Styrene A Dehydro Reactor					8760 hr/yr (All Year)
EQT121	MR-1201C Styrene A Dehydro Reactor					8760 hr/yr (All Year)
EQT122	MR-8201AR Styrene B Dehydro Reactor					8760 hr/yr (All Year)
EQT123	MR-8201BR Styrene B Dehydro Reactor					8760 hr/yr (All Year)
EQT124	MR-8201C Styrene B Dehydro Reactor					8760 hr/yr (All Year)
EQT125	MR-8203AR PAR Reactor					8760 hr/yr (All Year)
EQT126	MR-8203BR PAR Reactor					8760 hr/yr (All Year)

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT127	AS-2106 PEB Recovery Column					8760 hr/yr (All Year)
EQT128	AS-2107R Vent Gas Scrubber					8760 hr/yr (All Year)
EQT129	145-05-Q HS-1301 BR Boiler		198.4 MM BTU/hr			8760 hr/yr (All Year)
EQT130	M-2501R EB III Oily Water Sump					8760 hr/yr (All Year)
EQT131	145-02-E HS-1301B H.P. Boiler		245.5 MM BTU/hr			8760 hr/yr (All Year)
EQT132	145-02-K HS-301A M.P. Boiler		172.4 MM BTU/hr			8760 hr/yr (All Year)
EQT133	145-02-M HS-301C M.P. Boiler		172.4 MM BTU/hr			8760 hr/yr (All Year)
EQT134	145-02-N HS-301D M.P. Boiler		172.4 MM BTU/hr			8760 hr/yr (All Year)
FUG001	125-95 Fugitive Emissions-Refrigeration					8760 hr/yr (All Year)
FUG002	136-97 Fugitive Emissions - Painting					8760 hr/yr (All Year)
FUG003	146-02 Process Fugitives					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP005	141-02 Benzene Tank Emission Cap	EQT14 141-02-A MF-303A Benzene Storage Tank
GRP005	141-02 Benzene Tank Emission Cap	EQT15 141-02-B MF-303B Benzene Storage Tank
GRP005	141-02 Benzene Tank Emission Cap	EQT16 141-02-C MF-303C Swing Tank
GRP005	141-02 Benzene Tank Emission Cap	GRP18 MF-303C Swing Tank (Benzene Service)
GRP006	142-02 Ethyl Benzene Tank Emission Cap	EQT16 141-02-C MF-303C Swing Tank
GRP006	142-02 Ethyl Benzene Tank Emission Cap	EQT21 142-02-E MF-304 Ethyl Benzene Storage Tank
GRP006	142-02 Ethyl Benzene Tank Emission Cap	GRP19 MF-303C Swing Tank (Ethyl Benzene Service)
GRP006	142-02 Ethyl Benzene Tank Emission Cap	EQT20 142-02-D MF-302B Ethyl Benzene Storage Tank
GRP006	142-02 Ethyl Benzene Tank Emission Cap	EQT17 142-02-A MF-1306AR Ethyl Benzene Storage Tank
GRP006	142-02 Ethyl Benzene Tank Emission Cap	EQT19 142-02-C MF-302A Ethyl Benzene Storage Tank
GRP006	142-02 Ethyl Benzene Tank Emission Cap	EQT18 142-02-B MF-1306B Ethyl Benzene Storage Tank
GRP007	143-02 Toluene Tank Emission Cap	EQT22 143-02-A MF-1301 Toluene Storage Tank
GRP007	143-02 Toluene Tank Emission Cap	EQT23 143-02-B MF-301 Toluene Storage Tank
GRP008	144-02 Loading Operations Emission Cap	EQT24 144-02-A Marine Loading
GRP008	144-02 Loading Operations Emission Cap	EQT25 144-02-B Railcar & Truck Loading
GRP009	145-02 Fired Equipment Emission Cap	EQT26 145-02-A HF-1201/1219 Process Superheater
GRP009	145-02 Fired Equipment Emission Cap	EQT39 145-02-P HS-8220 Reheater
GRP009	145-02 Fired Equipment Emission Cap	EQT134 145-02-N HS-301D M.P. Boiler
GRP009	145-02 Fired Equipment Emission Cap	EQT133 145-02-M HS-301C M.P. Boiler
GRP009	145-02 Fired Equipment Emission Cap	EQT132 145-02-K HS-301A M.P. Boiler
GRP009	145-02 Fired Equipment Emission Cap	EQT131 145-02-E HS-1301B H.P. Boiler
GRP009	145-02 Fired Equipment Emission Cap	EQT129 145-05-Q HS-1301 BR Boiler

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP009	145-02 Fired Equipment Emission Cap	EQT38 145-02-O HS-8201/8219 Process Superheater
GRP009	145-02 Fired Equipment Emission Cap	EQT29 145-02-D HS-1301AR H.P. Boiler
GRP009	145-02 Fired Equipment Emission Cap	EQT32 145-02-H HS-2103 BZ Recovery Column Heater
GRP009	145-02 Fired Equipment Emission Cap	EQT33 145-02-I HS-2104 EB Recovery Column Heater
GRP009	145-02 Fired Equipment Emission Cap	EQT34 145-02-J HS-2105 PEB Recovery Column Heater
GRP009	145-02 Fired Equipment Emission Cap	EQT31 145-02-G HS-2102 Regeneration Gas Heater
GRP009	145-02 Fired Equipment Emission Cap	EQT28 145-02-C HS-1220 Process Superheater
GRP010	147-02 Wastewater Sources Emission Cap	EQT40 147-02-A Effluent Sump 1517
GRP010	147-02 Wastewater Sources Emission Cap	EQT46 147-02-G M-2520 EBIII Storm Water Sump
GRP010	147-02 Wastewater Sources Emission Cap	EQT48 147-02-I Storm Water Sump 5
GRP010	147-02 Wastewater Sources Emission Cap	EQT50 147-02-K East Tankfarm Storm Water Sump 19
GRP010	147-02 Wastewater Sources Emission Cap	EQT55 147-02-P M-321 Railcar Rack Wastewater Tank
GRP010	147-02 Wastewater Sources Emission Cap	EQT54 147-02-O East Tankfarm Storm Water Sump 1326
GRP010	147-02 Wastewater Sources Emission Cap	EQT53 147-02-N East Tankfarm Storm Water Sump 3
GRP010	147-02 Wastewater Sources Emission Cap	EQT52 147-02-M West Tankfarm Storm Water Sump 2
GRP010	147-02 Wastewater Sources Emission Cap	EQT51 147-02-L EB II Sump 4
GRP010	147-02 Wastewater Sources Emission Cap	EQT49 147-02-J Storm Water Sump 6
GRP010	147-02 Wastewater Sources Emission Cap	EQT47 147-02-H M-2521 EBIII Storm Water Sump
GRP010	147-02 Wastewater Sources Emission Cap	EQT45 147-02-F M-2514 Stormwater Storage Tank
GRP010	147-02 Wastewater Sources Emission Cap	EQT42 147-02-C M-1501 Wastewater Storage Tank
GRP010	147-02 Wastewater Sources Emission Cap	EQT43 147-02-D M-1506A WW Neutralization Tank
GRP010	147-02 Wastewater Sources Emission Cap	EQT44 147-02-E M-1506B WW Neutralization Tank
GRP010	147-02 Wastewater Sources Emission Cap	EQT41 147-02-B GU-1501 WWTS Effluent Clarifier
GRP011	148-02 Polyethylbenzene Residue Tank Cap	EQT56 148-02-A MF-109 PEB Residue Storage Tank
GRP011	148-02 Polyethylbenzene Residue Tank Cap	EQT57 148-02-B MF-225 PEB Residue Storage Tank
GRP012	149-02 Boiler Feed Water Tank Emission Cap	EQT58 149-02-A M-1314 Boiler Feed - Water Tank
GRP012	149-02 Boiler Feed Water Tank Emission Cap	EQT59 149-02-B M-314 Boiler Feed - Water Tank
GRP013	150-02 Flare Emission Cap	EQT60 150-02-A GQ-1306 Flare
GRP013	150-02 Flare Emission Cap	EQT61 150-02-B GQ-2310 Flare
GRP013	150-02 Flare Emission Cap	EQT62 150-02-C GQ-304 Flare
GRP014	152-02 Cooling Tower Emission Cap	EQT64 152-02-A G-1301 Cooling Tower 2
GRP014	152-02 Cooling Tower Emission Cap	EQT65 152-02-B G-301 Cooling Tower 1
GRP014	152-02 Cooling Tower Emission Cap	EQT66 152-02-C G-302 Cooling Tower 3
GRP015	Styrene Monomer Plant	EQT13 140-02-I MF-305F Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT14 141-02-A MF-303A Benzene Storage Tank
GRP015	Styrene Monomer Plant	EQT15 141-02-B MF-303B Benzene Storage Tank
GRP015	Styrene Monomer Plant	EQT16 141-02-C MF-303C Swing Tank

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP015	Styrene Monomer Plant	EQT17 142-02-A MF-1306AR Ethyl Benzene Storage Tank
GRP015	Styrene Monomer Plant	EQT18 142-02-B MF-1306B Ethyl Benzene Storage Tank
GRP015	Styrene Monomer Plant	EQT19 142-02-C MF-302A Ethyl Benzene Storage Tank
GRP015	Styrene Monomer Plant	EQT20 142-02-D MF-302B Ethyl Benzene Storage Tank
GRP015	Styrene Monomer Plant	EQT21 142-02-E MF-304 Ethyl Benzene Storage Tank
GRP015	Styrene Monomer Plant	EQT50 147-02-K East Tankfarm Storm Water Sump 19
GRP015	Styrene Monomer Plant	EQT49 147-02-J Storm Water Sump 6
GRP015	Styrene Monomer Plant	EQT48 147-02-I Storm Water Sump 5
GRP015	Styrene Monomer Plant	EQT47 147-02-H M-2521 EBIII Storm Water Sump
GRP015	Styrene Monomer Plant	EQT46 147-02-G M-2520 EBIII Storm Water Sump
GRP015	Styrene Monomer Plant	EQT12 140-02-H MF-305E Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT11 140-02-G MF-305D Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT10 140-02-F MF-305C Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT9 140-02-E MF-305B Styrene Storage Tank
GRP015	Styrene Monomer Plant	GRP12 149-02 Boiler Feed Water Tank Emission Cap
GRP015	Styrene Monomer Plant	GRP11 148-02 Polyethylbenzene Residue Tank Cap
GRP015	Styrene Monomer Plant	GRP10 147-02 Wastewater Sources Emission Cap
GRP015	Styrene Monomer Plant	GRP9 145-02 Fired Equipment Emission Cap
GRP015	Styrene Monomer Plant	GRP8 144-02 Loading Operations Emission Cap
GRP015	Styrene Monomer Plant	GRP7 143-02 Toluene Tank Emission Cap
GRP015	Styrene Monomer Plant	GRP6 142-02 Ethyl Benzene Tank Emission Cap
GRP015	Styrene Monomer Plant	GRP5 141-02 Benzene Tank Emission Cap
GRP015	Styrene Monomer Plant	FUG3 146-02 Process Fugitives
GRP015	Styrene Monomer Plant	FUG2 136-97 Fugitive Emissions - Painting
GRP015	Styrene Monomer Plant	FUG1 125-95 Fugitive Emissions-Refrigeration
GRP015	Styrene Monomer Plant	EQT134 145-02-N HS-301D M.P. Boiler
GRP015	Styrene Monomer Plant	EQT133 145-02-M HS-301C M.P. Boiler
GRP015	Styrene Monomer Plant	EQT132 145-02-K HS-301A M.P. Boiler
GRP015	Styrene Monomer Plant	EQT131 145-02-E HS-1301B H.P. Boiler
GRP015	Styrene Monomer Plant	EQT130 M-2501R EB III Oily Water Sump
GRP015	Styrene Monomer Plant	EQT129 145-05-Q HS-1301 BR Boiler
GRP015	Styrene Monomer Plant	EQT128 AS-2107R Vent Gas Scrubber
GRP015	Styrene Monomer Plant	EQT127 AS-2106 PEB Recovery Column
GRP015	Styrene Monomer Plant	EQT126 MR-8203BR PAR Reactor
GRP015	Styrene Monomer Plant	EQT125 MR-8203AR PAR Reactor
GRP015	Styrene Monomer Plant	EQT124 MR-8201C Styrene B Dehydro Reactor
GRP015	Styrene Monomer Plant	EQT123 MR-8201BR Styrene B Dehydro Reactor

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP015	Styrene Monomer Plant	EQT122 MR-8201AR Styrene B Dehydro Reactor
GRP015	Styrene Monomer Plant	EQT121 MR-1201C Styrene A Dehydro Reactor
GRP015	Styrene Monomer Plant	EQT120 MR-1201BRR Styrene A Dehydro Reactor
GRP015	Styrene Monomer Plant	EQT119 MR-1201AR Styrene A Dehydro Reactor
GRP015	Styrene Monomer Plant	EQT117 MT-1502 Oily Water Surge Tank
GRP015	Styrene Monomer Plant	EQT116 MS-307B Slop Oil Storage Tank
GRP015	Styrene Monomer Plant	EQT115 MS-307A Slop Oil Storage Tank
GRP015	Styrene Monomer Plant	EQT110 MS-212 Off-test Styrene Tank
GRP015	Styrene Monomer Plant	EQT109 MS-1312 Off-test Styrene Tank
GRP015	Styrene Monomer Plant	EQT108 MS-1307 Slop Oil Storage Tank
GRP015	Styrene Monomer Plant	EQT107 MS-112 Recycle Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT74 AS-1201AS-1201A Benzene/Toluene and Rectifier Column
GRP015	Styrene Monomer Plant	EQT73 AF-208 Styrene A Secondary Finishing Column
GRP015	Styrene Monomer Plant	EQT72 AF-203R Styrene A Finishing Column
GRP015	Styrene Monomer Plant	EQT71 AF-202 Styrene A Recycle Column
GRP015	Styrene Monomer Plant	EQT70 AF-1203 Styrene B Finishing Column
GRP015	Styrene Monomer Plant	EQT69 AF-1202/AF-1202A Styrene B Recycle and Rectifier Column
GRP015	Styrene Monomer Plant	EQT68 A-204/M-202 Stormwater Steam Stripper
GRP015	Styrene Monomer Plant	EQT67 A-1501/M-1504 Oily Water Steam Stripper
GRP015	Styrene Monomer Plant	EQT66 152-02-C G-302 Cooling Tower 3
GRP015	Styrene Monomer Plant	EQT65 152-02-B G-301 Cooling Tower 1
GRP015	Styrene Monomer Plant	EQT64 152-02-A G-1301 Cooling Tower 2
GRP015	Styrene Monomer Plant	EQT63 151-02 Sampling Operations
GRP015	Styrene Monomer Plant	EQT62 150-02-C GQ-304 Flare
GRP015	Styrene Monomer Plant	EQT61 150-02-B GQ-2310 Flare
GRP015	Styrene Monomer Plant	EQT60 150-02-A GQ-1306 Flare
GRP015	Styrene Monomer Plant	EQT59 149-02-B M-314 Boiler Feed - Water Tank
GRP015	Styrene Monomer Plant	EQT58 149-02-A M-1314 Boiler Feed - Water Tank
GRP015	Styrene Monomer Plant	EQT57 148-02-B MF-225 PEB Residue Storage Tank
GRP015	Styrene Monomer Plant	EQT56 148-02-A MF-109 PEB Residue Storage Tank
GRP015	Styrene Monomer Plant	EQT55 147-02-P M-321 Railcar Rack Wastewater Tank
GRP015	Styrene Monomer Plant	EQT54 147-02-O East Tankfarm Storm Water Sump 1326
GRP015	Styrene Monomer Plant	EQT53 147-02-N East Tankfarm Storm Water Sump 3
GRP015	Styrene Monomer Plant	EQT52 147-02-M West Tankfarm Storm Water Sump 2
GRP015	Styrene Monomer Plant	EQT51 147-02-L EB II Sump 4
GRP015	Styrene Monomer Plant	EQT8 140-02-D MF-305A Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT7 140-02-C MF-1305I Styrene Storage Tank

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP015	Styrene Monomer Plant	EQT6 140-02-B MF-1305H Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT5 140-02-A MF-1305G Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT4 95-82 GU-334 Lime Storage Vent
GRP015	Styrene Monomer Plant	EQT3 124-95 M-1360 AR Gasoline Storage Tank
GRP015	Styrene Monomer Plant	EQT2 111-93 AS-500R Vent Scrubber
GRP015	Styrene Monomer Plant	EQT95 MF-1109 Crude EB Storage Tank
GRP015	Styrene Monomer Plant	EQT94 M-8220 B-Dehydro Sump
GRP015	Styrene Monomer Plant	EQT93 M-330 A/B Sump
GRP015	Styrene Monomer Plant	EQT92 M-260B Decontamination Tank
GRP015	Styrene Monomer Plant	EQT91 M-260A Decontamination Tank
GRP015	Styrene Monomer Plant	EQT90 M-2503 EBIII Slop Oil Storage Tank
GRP015	Styrene Monomer Plant	EQT88 M-240 A-Dehydro Sump
GRP015	Styrene Monomer Plant	EQT87 M-230 A-Purification Sump
GRP015	Styrene Monomer Plant	EQT86 M-210 A-Offsites Sump
GRP015	Styrene Monomer Plant	EQT106 MF-208B Crude Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT105 MF-208A Crude Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT104 MF-206 Styrene A Process Residue Tank
GRP015	Styrene Monomer Plant	EQT103 MF-1515 Wastewater Storage Tank
GRP015	Styrene Monomer Plant	EQT102 MF-1514 Wastewater Storage Tank
GRP015	Styrene Monomer Plant	EQT101 MF-1332B Inhibitor Storage Tank
GRP015	Styrene Monomer Plant	EQT100 MF-1332A Inhibitor Storage Tank
GRP015	Styrene Monomer Plant	EQT99 MF-1330B Styrene Residue Tank
GRP015	Styrene Monomer Plant	EQT98 MF-1330A Styrene Residue Tank
GRP015	Styrene Monomer Plant	EQT97 MF-1304 Crude Styrene Storage Tank
GRP015	Styrene Monomer Plant	EQT96 MF-126 Styrene B Process Residue Tank
GRP015	Styrene Monomer Plant	EQT85 M-1507 Wastewater Treatment Sump
GRP015	Styrene Monomer Plant	EQT84 M-1310 B-Offsites Sump
GRP015	Styrene Monomer Plant	EQT83 M-1230 B-Purification Sump
GRP015	Styrene Monomer Plant	EQT82 M-1101 Inhibitor Feed Drum
GRP015	Styrene Monomer Plant	EQT81 DNBP Sump
GRP015	Styrene Monomer Plant	EQT77 AS-205 Styrene A Styrene Recovery Column
GRP015	Styrene Monomer Plant	EQT76 AS-201 Styrene A Benzene/Toluene Column
GRP015	Styrene Monomer Plant	EQT75 AS-1205 Styrene A Recycle Column
GRP015	Styrene Monomer Plant	EQT22 143-02-A MF-1301 Toluene Storage Tank
GRP015	Styrene Monomer Plant	EQT23 143-02-B MF-301 Toluene Storage Tank
GRP015	Styrene Monomer Plant	EQT24 144-02-A Marine Loading
GRP015	Styrene Monomer Plant	EQT25 144-02-B Railcar & Truck Loading

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP015	Styrene Monomer Plant	EQT26 145-02-A HF-1201/1219 Process Superheater
GRP015	Styrene Monomer Plant	EQT28 145-02-C HS-1220 Process Superheater
GRP015	Styrene Monomer Plant	EQT29 145-02-D HS-1301AR H.P. Boiler
GRP015	Styrene Monomer Plant	EQT31 145-02-G HS-2102 Regeneration Gas Heater
GRP015	Styrene Monomer Plant	EQT32 145-02-H HS-2103 BZ Recovery Column Heater
GRP015	Styrene Monomer Plant	EQT33 145-02-I HS-2104 EB Recovery Column Heater
GRP015	Styrene Monomer Plant	EQT34 145-02-J HS-2105 PEB Recovery Column Heater
GRP015	Styrene Monomer Plant	EQT38 145-02-O HS-8201/8219 Process Superheater
GRP015	Styrene Monomer Plant	EQT39 145-02-P HS-8220 Reheater
GRP015	Styrene Monomer Plant	EQT40 147-02-A Effluent Sump 1517
GRP015	Styrene Monomer Plant	EQT41 147-02-B GU-1501 WWTS Effluent Clarifier
GRP015	Styrene Monomer Plant	EQT42 147-02-C M-1501 Wastewater Storage Tank
GRP015	Styrene Monomer Plant	EQT43 147-02-D M-1506A WW Neutralization Tank
GRP015	Styrene Monomer Plant	EQT44 147-02-E M-1506B WW Neutralization Tank
GRP015	Styrene Monomer Plant	EQT45 147-02-F M-2514 Stormwater Storage Tank
GRP015	Styrene Monomer Plant	GRP13 150-02 Flare Emission Cap
GRP015	Styrene Monomer Plant	GRP14 152-02 Cooling Tower Emission Cap
GRP015	Styrene Monomer Plant	GRP16 140-02 Styrene Tank Emission Cap
GRP015	Styrene Monomer Plant	GRP18 MF-303C Swing Tank (Benzene Service)
GRP015	Styrene Monomer Plant	GRP19 MF-303C Swing Tank (Ethyl Benzene Service)
GRP016	140-02 Styrene Tank Emission Cap	EQT5 140-02-A MF-1305G Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT6 140-02-B MF-1305H Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT7 140-02-C MF-1305I Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT8 140-02-D MF-305A Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT9 140-02-E MF-305B Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT10 140-02-F MF-305C Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT11 140-02-G MF-305D Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT12 140-02-H MF-305E Styrene Storage Tank
GRP016	140-02 Styrene Tank Emission Cap	EQT13 140-02-I MF-305F Styrene Storage Tank
GRP018	MF-303C Swing Tank (Benzene Service)	EQT16 141-02-C MF-303C Swing Tank
GRP019	MF-303C Swing Tank (Ethyl Benzene Service)	EQT16 141-02-C MF-303C Swing Tank

Relationships:

Subject Item	Relationship	Subject Item
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT67 A-1501/M-1504 Only Water Steam Stripper
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT68 A-204/M-202 Stormwater Steam Stripper
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT69 AF-1202/AF-1202A Styrene B Recycle and Rectifier Column

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Relationships:

Subject Item	Relationship	Subject Item
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT70 AF-1203 Styrene B Finishing Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT71 AF-202 Styrene A Recycle Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT72 AF-203R Styrene A Finishing Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT73 AF-208 Styrene A Secondary Finishing Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT74 AS-1201/AS-1201A Benzene/Toluene and Rectifier Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT75 AS-1205 Styrene A Recycle Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT76 AS-201 Styrene A Benzene/Toluene Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT77 AS-205 Styrene A Styrene Recovery Column
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT81 DNBP Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT82 M-1101 Inhibitor Feed Drum
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT83 M-1230 B-Purification Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT84 M-1310 B-Offsites Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT85 M-1507 Wastewater Treatment Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT86 M-210 A-Offsites Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT87 M-230 A-Purification Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT88 M-240 A-Dehydro Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT90 M-2503 EBIII Slop Oil Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT91 M-260A Decontamination Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT92 M-260B Decontamination Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT93 M-330 A/B Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT94 M-8220 B-Dehydro Sump
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT95 MF-1109 Crude EB Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT96 MF-126 Styrene B Process Residue Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT97 MF-1304 Crude Styrene Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT98 MF-1330A Styrene Residue Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT99 MF-1330B Styrene Residue Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT100 MF-1332A Inhibitor Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT101 MF-1332B Inhibitor Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT102 MF-1514 Wastewater Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT103 MF-1515 Wastewater Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT104 MF-206 Styrene A Process Residue Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT105 MF-208A Crude Styrene Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT106 MF-208B Crude Styrene Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT107 MS-112 Recycle Styrene Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT108 MS-1307 Slop Oil Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT109 MS-1312 Off-test Styrene Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT110 MS-212 Off-test Styrene Tank

INVENTORIES

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

Relationships:

Subject Item	Relationship	Subject Item
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT115 MS-307A Slop Oil Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT116 MS-307B Slop Oil Storage Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT117 MT-1502 Oily Water Surge Tank
EQT2 111-93 AS-500R Vent Scrubber	Controls emissions from	EQT130 M-2501R EB III Oily Water Sump
EQT127 AS-2106 PEB Recovery Column	Vents to	EQT61 150-02-B GQ-2310 Flare

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT002 111-93 AS-500R Vent Scrubber	45	2121	1		46	
EQT003 124-95 M-1360 AR Gasoline Storage Tank					3	
EQT016 141-02-C MF-303C Swing Tank					24	65
EQT129 145-05-Q HS-1301 BR Boiler	62.5	115000	5		100	293
EQT131 145-02-E HS-1301B H.P. Boiler	45	233815	10.5		110	450
EQT132 145-02-K HS-301A M.P. Boiler	34.7	49432	5.5		40	380
EQT133 145-02-M HS-301C M.P. Boiler	34.7	49432	5.5		40	380
EQT134 145-02-N HS-301D M.P. Boiler	34.7	49432	5.5		40	380
GRP018 MF-303C Swing Tank (Benzene Service)					24	65
GRP019 MF-303C Swing Tank (Ethyl Benzene Service)					24	65

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
AI1607	1900	MM Lb/Yr	0610 - Styrene Monomer (Rated Capacity)
GRP015	2900	MM Lb/Yr	1D12 - Gas chromatographs, sulfur analyzers, lead analyzers, or similar laboratory devices
			0610 - Styrene Monomer (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 002 111-99													1.94	36.08	8.49
EQT 003 124-95													0.04	0.52	0.19
EQT 004 95-82	0.03	1.58	0.12												
EQT 005 140-02-A														27.81	
EQT 006 140-02-B														27.81	
EQT 007 140-02C														27.81	
EQT 008 140-02-D														17.38	
EQT 009 140-02-E														17.38	
EQT 010 140-02-F														27.81	
EQT 011 140-02-G														27.81	
EQT 012 140-02-H														27.81	
EQT 013 140-02-I														27.81	
EQT 014 141-02-A														0.65	
EQT 015 141-02-B														0.65	
EQT 017 142-02-A														0.59	
EQT 018 142-02-B														0.52	
EQT 019 142-02-C														48.03	
EQT 020 142-02-D														48.26	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 021															
142-02-E														48.26	
EQT 022														0.40	
143-02-A														28.36	
EQT 023														83.15	
143-02-B														35.00	
EQT 024														1.66	
144-02-A														24.62	
EQT 025														7.82	
144-02-B														14.18	
EQT 026		2.23			0.47			14.95						1.19	
145-02-A														15.00	
EQT 028		0.71			0.15			11.88						0.98	
145-02-C														22.18	
EQT 029		4.19			0.20			63.72						2.08	
145-02-D														23.06	
EQT 031		0.11			0.02			1.41						1.09	
145-02-G														< 0.01	
EQT 032		1.36			0.29			5.46						0.08	
145-02-H														1.65	
EQT 033		2.01			0.43			8.08						0.14	
145-02-I														1.56	
EQT 034		0.19			0.04			0.76						16.06	
145-02-J														< 0.01	
EQT 038		2.09			0.44			8.40						0.08	
145-02-O														< 0.01	
EQT 039		1.45			0.31			5.85						0.48	
145-02-P															
EQT 040															
147-02-A															
EQT 041															
147-02-B															
EQT 042															
147-02-C															
EQT 043															
147-02-D															

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 044															
147-02-E														0.48	
EQT 045														< 0.01	
147-02-F														< 0.01	
EQT 046														< 0.01	
147-02-G														< 0.01	
EQT 047														< 0.01	
147-02-H														< 0.01	
EQT 048														< 0.01	
147-02-I														< 0.01	
EQT 049														< 0.01	
147-02-J														< 0.01	
EQT 050														< 0.01	
147-02-K														< 0.01	
EQT 051														< 0.01	
147-02-L														< 0.01	
EQT 052														< 0.01	
147-02-M														< 0.01	
EQT 053														< 0.01	
147-02-N														< 0.01	
EQT 054														0.02	
147-02-O														0.51	
EQT 055														0.40	
147-02-P														0.40	
EQT 056														0.40	
148-02-A														0.40	
EQT 057														< 0.01	
148-02-B														< 0.01	
EQT 058														< 0.01	
149-02-A														< 0.01	
EQT 059														< 0.01	
149-02-B														< 0.01	
EQT 060														4658.77	
150-02-A														1561.69	
EQT 061														895.65	
150-02-B														2433.16	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 062															
150-02-C															
EQT 063															
151-02															
EQT 064		5.23													
152-02-A															
EQT 065		64.89													
152-02-B															
EQT 066		0.42													
152-02-C															
EQT 129		4.70			0.20										
145-05-O															
EQT 131		2.66			0.30										
145-02-E															
EQT 132		1.29			0.27										
145-02-K															
EQT 133		1.29			0.27										
145-02-M															
EQT 134		1.29			0.27										
145-02-N															
FUG 002															
136-97															
FUG 003															
146-02															
GRP 005															
141-02															
GRP 006															
142-02															
GRP 007															
143-02															
GRP 008															
144-02															
GRP 009	24.28		106.04	3.67		16.02	241.43		1053.65	199.23		869.42		60.56	
145-02															
GRP 010															
147-02															

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	PM ₁₀			SO ₂			NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
GRP 011 148-02													< 0.01		0.01
GRP 012 149-02													< 0.01		< 0.01
GRP 013 150-02				0.06		0.28	2.89		12.67	15.74		68.94	3.19		13.95
GRP 014 152-02	58.77		257.44										0.50		2.21
GRP 016 140-02													10.06		44.04
GRP 018 MF-303C														0.64	
GRP 019 MF-303C														5.54	

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 363.60 tons/yr

SO2: 16.29 tons/yr

NOx: 1066.32 tons/yr

CO: 938.36 tons/yr

VOC: 252.66 tons/yr

Emission rates Notes:

- EQT 005 VOC Max lb/hr : This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004 Which Months: All Year
- EQT 006 VOC Max lb/hr : This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004 Which Months: All Year
- EQT 007 VOC Max lb/hr : This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004 Which Months: All Year
- EQT 008 VOC Max lb/hr : This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004 Which Months: All Year
- EQT 009 VOC Max lb/hr : This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004 Which Months: All Year
- EQT 010 VOC Max lb/hr : This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004 Which Months: All Year
- EQT 011 VOC Max lb/hr : This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004 Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

EQT 011			004	Which Months: All Year	
EQT 012	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004		
EQT 013	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Styrene Storage Tank Emission Cap, Source ID No. 140-02, GRP 004		
EQT 014	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Benzene Storage Tank Cap, Source ID No. 141-02, GRP 005		
EQT 015	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Benzene Storage Tank Cap, Source ID No. 141-02, GRP 005		
EQT 017	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Ethyl Benzene Storage Tank Cap, Source ID No. 142-02, GRP 006		
EQT 018	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Ethyl Benzene Storage Tank Cap, Source ID No. 142-02, GRP 006		
EQT 019	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Ethyl Benzene Storage Tank Cap, Source ID No. 142-02, GRP 006		
EQT 020	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Ethyl Benzene Storage Tank Cap, Source ID No. 142-02, GRP 006		
EQT 021	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Ethyl Benzene Storage Tank Cap, Source ID No. 142-02, GRP 006		
EQT 022	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Ethyl Benzene Storage Tank Cap, Source ID No. 142-02, GRP 006		
EQT 023	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Toluene Storage Tank Cap, Source ID No. 143-02, GRP 007		
EQT 024	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Toluene Storage Tank Cap, Source ID No. 143-02, GRP 007		
EQT 025	VOC	Max lb/hr	: This tank operates under a cap, and the emissions shall be limited to the rates listed in the Loading Operations Cap, Source ID No. 144-02, GRP 008		
EQT 026	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 and Permit No. PSD-LA-690		
EQT 026	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		
EQT 026	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		
EQT 026	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 and Permit No. PSD-LA-690		
EQT 026	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		
EQT 028	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		
EQT 028	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		
EQT 028	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		
EQT 028	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		
EQT 028	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009		

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

EQT 034	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 Which Months: All Year
EQT 038	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 and Permit No. PSD-LA-690 Which Months: All Year
EQT 038	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 Which Months: All Year
EQT 038	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 Which Months: All Year
EQT 038	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 and Permit No. PSD-LA-690 Which Months: All Year
EQT 038	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 Which Months: All Year
EQT 039	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 and Permit No. PSD-LA-690 Which Months: All Year
EQT 039	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 Which Months: All Year
EQT 039	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 Which Months: All Year
EQT 039	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 and Permit No. PSD-LA-690 Which Months: All Year
EQT 039	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 Which Months: All Year
EQT 040	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 041	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 042	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 043	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 044	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 045	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 046	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 047	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 048	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 049	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 050	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 051	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 052	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

EQT 053	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 054	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 055	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID No. 147-02, GRP 010 Which Months: All Year
EQT 056	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Polyethylbenzene Residue Tank Cap, Source ID No. 148-02, GRP 011 Which Months: All Year
EQT 057	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Polyethylbenzene Residue Tank Cap, Source ID No. 148-02, GRP 011 Which Months: All Year
EQT 058	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Boiler Feedwater Tank Cap, Source ID No. 149-02, GRP 012 Which Months: All Year
EQT 059	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Boiler Feedwater Tank Cap, Source ID No. 149-02, GRP 012 Which Months: All Year
EQT 060	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 064	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Cooling Tower Cap, Source ID No. 152-02, GRP 014 Which Months: All Year
EQT 064	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Cooling Tower Cap, Source ID No. 152-02, GRP 014 Which Months: All Year
EQT 065	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Cooling Tower Cap, Source ID No. 152-02, GRP 014 Which Months: All Year
EQT 065	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Cooling Tower Cap, Source ID No. 152-02, GRP 014 Which Months: All Year
EQT 066	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Cooling Tower Cap, Source ID No. 152-02, GRP 014 Which Months: All Year

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

EQT 066	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Cooling Tower Cap, Source ID No. 152-02, GRP 014	Which
EQT 129	PM10	Max lb/hr	Months: All Year	
EQT 129	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 129	NOx	Max lb/hr	Months: All Year	
EQT 129	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 129	VOC	Max lb/hr	Months: All Year	
EQT 131	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009 and Permit Nos. PSD-LA-690	Which Months: All Year
EQT 131	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 131	NOx	Max lb/hr	Months: All Year	
EQT 131	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 131	VOC	Max lb/hr	Months: All Year	
EQT 132	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 132	SO2	Max lb/hr	Months: All Year	
EQT 132	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 132	CO	Max lb/hr	Months: All Year	
EQT 132	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 133	PM10	Max lb/hr	Months: All Year	
EQT 133	SO2	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 133	NOx	Max lb/hr	Months: All Year	
EQT 133	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 133	VOC	Max lb/hr	Months: All Year	
EQT 134	PM10	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which
EQT 134	SO2	Max lb/hr	Months: All Year	
EQT 134	NOx	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009	Which

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

EQT 134	CO	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP009	Which Months: All Year	Which
EQT 134	VOC	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP009	Which Months: All Year	Which
GRP 005	VOC	Avg lb/hr	: Benzene Storage Tank Emission Cap, Source ID No. 141-02	Which Months: All Year	
GRP 005	VOC	Tons/Year	: Benzene Storage Tank Emission Cap, Source ID No. 141-02	Which Months: All Year	
GRP 006	VOC	Avg lb/hr	: Ethyl Benzene Storage Tank Emission Cap, Source ID No. 142-02	Which Months: All Year	
GRP 006	VOC	Tons/Year	: Ethyl Benzene Storage Tank Emission Cap, Source ID No. 142-02	Which Months: All Year	
GRP 007	VOC	Avg lb/hr	: Toluene Storage Tank Emission Cap, Source ID No. 143-02	Which Months: All Year	
GRP 007	VOC	Tons/Year	: Toluene Storage Tank Emission Cap, Source ID No. 143-02	Which Months: All Year	
GRP 008	VOC	Avg lb/hr	: Loading Operations Emission Cap, Source ID No. 144-02	Which Months: All Year	
GRP 008	VOC	Tons/Year	: Loading Operations Emission Cap, Source ID No. 144-02	Which Months: All Year	
GRP 009	PM10	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 009	PM10	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02, PSD-LA-690	Which Months: All Year	
GRP 009	SO2	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 009	SO2	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 009	NOx	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 009	NOx	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 009	CO	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 009	CO	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02, PSD-LA-690	Which Months: All Year	
GRP 009	VOC	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 009	VOC	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year	
GRP 010	VOC	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year	
GRP 010	VOC	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year	
GRP 011	VOC	Avg lb/hr	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year	
GRP 011	VOC	Tons/Year	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year	
GRP 012	VOC	Avg lb/hr	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year	
GRP 012	VOC	Tons/Year	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year	
GRP 013	SO2	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year	
GRP 013	SO2	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year	
GRP 013	NOx	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year	
GRP 013	NOx	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year	
GRP 013	CO	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year	
GRP 013	CO	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

GRP 013	VOC	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	VOC	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 014	PM10	Avg lb/hr	: Cooling Tower Emission Cap, Source ID No. 152-02	Which Months: All Year
GRP 014	PM10	Tons/Year	: Cooling Tower Emission Cap, Source ID No. 152-02	Which Months: All Year
GRP 014	VOC	Avg lb/hr	: Cooling Tower Emission Cap, Source ID No. 152-02	Which Months: All Year
GRP 014	VOC	Tons/Year	: Cooling Tower Emission Cap, Source ID No. 152-02	Which Months: All Year
GRP 016	VOC	Avg lb/hr	: Styrene Storage Tank Emission Cap, Source ID No. 140-02	Which Months: All Year
GRP 016	VOC	Tons/Year	: Styrene Storage Tank Emission Cap, Source ID No. 140-02	Which Months: All Year
GRP 018	VOC	Max lb/hr	: This tank is operating in benzene service. The emissions are limited to the rates listed in the Benzene Storage Tank Cap, Source ID No. 141-02, GRP005. The emissions from this tank are reported under the Benzene Storage Tank Cap (GRP005). Which Months: All Year	
GRP 019	VOC	Max lb/hr	: This tank is operating in ethyl benzene service. The emissions are limited to the rates listed in the Ethyl Benzene Storage Tank Cap, Source ID No. 142-02, GRP006. The emissions from this tank are reported under the Ethyl Benzene Storage Tank Cap (GRP006). Which Months: All Year	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	Ammonia			Benzene			Chlorine			Cumene			Ethyl benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year									
EQT 002 111-93				0.22	4.48	0.94				< 0.01	< 0.01	< 0.01	0.86	16.00	3.76
EQT 003 124-95				< 0.01	< 0.01	< 0.01									
EQT 029 145-02-D		1.78													
EQT 054 147-02-O														< 0.01	
EQT 055 147-02-P					< 0.01						< 0.01			0.02	
EQT 060 150-02-A					111.43						0.13			1393.61	
EQT 061 150-02-B					1875.86						0.06			485.18	
EQT 062 150-02-C					134.50						7.26			1221.66	
EQT 063 151-02				0.10	0.10	0.42				< 0.01	< 0.01	< 0.01	0.04	0.04	0.16
EQT 129 145-05-Q		1.78													
FUG 001 125-85	0.38	0.94	1.65												
FUG 002 136-97													0.10	0.10	0.45
FUG 003 146-02				4.39	19.21	19.23				< 0.01	0.01	0.01	2.66	10.87	11.65
GRP 005 141-02				2.17		9.50									
GRP 006 142-02				0.13		0.56				< 0.01		< 0.01	3.16		13.86
GRP 007 143-02				< 0.01		0.03							< 0.01		0.02
GRP 008 144-02				0.06		0.27				< 0.01			0.61		2.68
GRP 009 145-02	3.55		15.56	0.02		0.10							0.01		0.03

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	Ethylene			Methanol			Styrene			Toluene			Xylene (mixed isomers)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year									
EQT 002 111-93							0.64	12.00	2.82	0.22	4.00	0.94	< 0.01	0.03	0.01
EQT 003 124-95															
EQT 029 145-02-D															
EQT 054 147-02-O								< 0.01							
EQT 055 147-02-P								0.45			< 0.01			< 0.01	
EQT 060 150-02-A								2865.74			257.75			20.59	
EQT 061 150-02-B								0.03			1.27			0.38	
EQT 062 150-02-C								2632.58			198.70			43.87	
EQT 063 151-02	< 0.001	< 0.001	< 0.01	< 0.01	< 0.01	0.02	0.85	0.85	3.74	0.06	0.06	0.24	< 0.01	< 0.01	< 0.01
EQT 129 145-05-O															
FUG 001 125-95															
FUG 002 136-97															
FUG 003 146-02	0.22	0.95	0.96				5.05	21.63	22.13	0.31	1.81	1.90	0.01	0.05	0.05
GRP 005 141-02										< 0.01		< 0.01			
GRP 006 142-02							< 0.01		0.01	0.04		0.17	0.01		0.03
GRP 007 143-02							< 0.01		< 0.01	0.86		3.77			
GRP 008 144-02							3.30		14.46	1.00		4.40	< 0.01		0.04
GRP 009 145-02	0.17		0.73				< 0.01		0.02	< 0.01		0.01			

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

		n-Hexane		
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	
EQT 002 111-83	< 0.01	0.01	< 0.01	0.01
EQT 003				
124-95				
EQT 029				
145-02-O				
EQT 054				
147-02-O				
EQT 055		0.02		
147-02-P				
EQT 060				
150-02-A				
EQT 061				
150-02-B				
EQT 062				
150-02-C				
EQT 063	< 0.01	< 0.01	< 0.01	0.01
151-02				
EQT 129				
145-05-Q				
FUG 001				
125-85				
FUG 002				
136-97				
FUG 003	< 0.01	0.01	0.01	0.01
146-02				
GRP 005				
141-02				
GRP 006				
142-02				
GRP 007				
143-02				
GRP 008	0.05			0.21
144-02				
GRP 009				
145-02				

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

Subject Item	Ammonia			Benzene			Chlorine			Cumene			Ethyl benzene		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year									
GRP 010 147-02				0.01		0.05				< 0.01		< 0.01	0.60		2.61
GRP 011 148-02										< 0.01		< 0.01	0.01		< 0.01
GRP 012 149-02													< 0.01		< 0.01
GRP 013 150-02				0.62		2.72				0.14		0.60	0.53		2.32
GRP 014 152-02				0.03		0.13			0.08				0.45		1.97
GRP 016 140-02				< 0.01		< 0.01				< 0.01		0.01	0.01		0.05
GRP 018 MF-303C							0.64								
GRP 019 MF-303C							0.21							5.25	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co
 Activity Number: PER20070002
 Permit Number: 1280-00013-V4
 Air - Title V Regular Permit Minor Mod

All phases

Subject Item	Ethylene			Methanol			Styrene			Toluene			Xylene (mixed isomers)		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year									
GRP 010 147-02							0.42		1.82	0.03			< 0.01		< 0.01
GRP 011 148-02							< 0.01		< 0.01						
GRP 012 149-02							< 0.01		< 0.01	0.01					
GRP 013 150-02	0.12		0.53				0.78		3.41	0.09			0.01		0.06
GRP 014 152-02							0.02		0.09	< 0.01					
GRP 016 140-02							10.03		43.95	< 0.01			< 0.01		0.03
GRP 018 MF-303C													< 0.01		
GRP 019 MF-303C													0.06		0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

		n-Hexane	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
GRP 010 147-02	< 0.01		< 0.01
GRP 011 148-02			
GRP 012 149-02			
GRP 013 150-02			
GRP 014 152-02			
GRP 016 140-02			
GRP 018 MF-303C			
GRP 019 MF-303C			

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

- Ammonia: 17.22 tons/yr
- Benzene: 33.95 tons/yr
- Chlorine: 0.34 tons/yr
- Cumene: 0.63 tons/yr
- Ethyl benzene: 39.57 tons/yr
- Ethylene: 2.21 tons/yr
- Methanol: 0.02 tons/yr
- n-Hexane: 0.22 tons/yr
- Styrene: 92.44 tons/yr
- Toluene: 11.98 tons/yr
- Xylene (mixed isomers): 5.21 tons/yr

Emission Rates Notes:

EQT 029 Ammonia Max lb/hr

: This source operates under a cap, and the emissions shall be limited to the rates listed in the Fired Equipment Cap, Source ID No. 145-02, GRP 009
Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

EQT 054	Ethyl benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 054	Styrene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 055	Benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 055	Cumene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 055	Ethyl benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 055	Styrene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 055	Toluene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 055	Xylene (mixed isomers)	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 055	n-Hexane	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Wastewater Sources Cap, Source ID 147-02, GRP 010 Which Months: All Year
EQT 060	Benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	Cumene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	Ethyl benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	Styrene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	Toluene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 060	Xylene (mixed isomers)	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	Benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	Cumene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	Ethyl benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	Styrene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	Toluene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 061	Xylene (mixed isomers)	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	Benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	Cumene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	Ethyl benzene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year
EQT 062	Styrene	Max lb/hr	: This source operates under a cap, and the emissions shall be limited to the rates listed in the Flare Emission Cap, Source ID No. 150-02, GRP 013 Which Months: All Year

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

All phases

GRP 009	Ammonia	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Benzene	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Benzene	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Ethyl benzene	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Ethyl benzene	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Styrene	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Styrene	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Toluene	Avg lb/hr	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 009	Toluene	Tons/Year	: Fired Equipment Emission Cap, Source ID No. 145-02	Which Months: All Year
GRP 010	Benzene	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Benzene	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Cumene	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Cumene	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Ethyl benzene	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Ethyl benzene	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Styrene	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Styrene	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Toluene	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Toluene	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Xylene (mixed isomers)	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	Xylene (mixed isomers)	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	n-Hexane	Avg lb/hr	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 010	n-Hexane	Tons/Year	: Wastewater Sources Emission Cap, Source ID No. 147-02	Which Months: All Year
GRP 011	Cumene	Avg lb/hr	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year
GRP 011	Cumene	Tons/Year	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year
GRP 011	Ethyl benzene	Avg lb/hr	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year
GRP 011	Ethyl benzene	Tons/Year	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year
GRP 011	Styrene	Avg lb/hr	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year
GRP 011	Styrene	Tons/Year	: Polyethylbenzene (PEB) Residue Tank Cap, Source ID No. 148-02	Which Months: All Year
GRP 012	Ethyl benzene	Avg lb/hr	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year
GRP 012	Ethyl benzene	Tons/Year	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year
GRP 012	Styrene	Avg lb/hr	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year
GRP 012	Styrene	Tons/Year	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year
GRP 012	Toluene	Avg lb/hr	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year
GRP 012	Toluene	Tons/Year	: Boiler Feed Water Tank Emission Cap, Source ID No. 149-02	Which Months: All Year
GRP 013	Benzene	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Benzene	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Cumene	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Cumene	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Ethyl benzene	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Ethyl benzene	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Styrene	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Styrene	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Toluene	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Toluene	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Xylene (mixed isomers)	Avg lb/hr	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year
GRP 013	Xylene (mixed isomers)	Tons/Year	: Flare Emission Cap, Source ID No. 150-02	Which Months: All Year

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1002 111-93 AS-500R Vent Scrubber

- 1 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61.349 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 2 Closed-vent system: Operate with no detectable emissions as indicated by an instrument reading of less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.349(a)(1)(i)]
- 3 Closed-vent system (bypass lines): Flow monitored by flow indicator once every 15 minutes, except as provided in 40 CFR 61.349(a)(1)(ii)(B). Install the flow indicator at the entrance to any bypass line that could divert the vent stream away from the control device to the atmosphere. Subpart FF. [40 CFR 61.349(a)(1)(ii)]
Which Months: All Year Statistical Basis: None specified
- 4 Closed-vent system: Ensure that all gauging and sampling devices are gas-tight except when gauging or sampling is taking place. Subpart FF. [40 CFR 61.349(a)(1)(iii)]
Which Months: All Year Statistical Basis: [40 CFR 61.349(a)(2)(ii)]
- 5 Benzene \geq 98 % recovery efficiency. Subpart FF. [40 CFR 61.349(a)(2)(ii)]
Which Months: All Year Statistical Basis: None specified
- 6 Operate at all times when waste is placed in the waste management unit vented to the control device except when maintenance or repair of the waste management unit cannot be completed without a shutdown of the control device. Subpart FF. [40 CFR 61.349(b)]
- 7 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Include inspection of ductwork and piping and connections to covers and control devices for evidence of visible defects such as holes in ductwork or piping and loose connections. Subpart FF. [40 CFR 61.349(f)]
Which Months: All Year Statistical Basis: None specified
- 8 Make a first effort to repair the closed-vent system and control device as soon as practicable but no later than 5 calendar days after visible defects are observed during an inspection, or if other problems are identified, or if detectable emissions are measured, except as provided in 40 CFR 61.350. Complete repair no later than 15 calendar days after the emissions are detected or the visible defect is observed. Subpart FF. [40 CFR 61.349(g)]
- 9 The owner or operator of a control device that is used to comply with the provisions of 40 CFR 61.349 shall monitor the control device in accordance with 40 CFR 61.354(c). [40 CFR 61.349(h)]
- 10 Organic compounds or Benzene monitored by technically sound method continuously. Monitor either the concentration level of the organic compounds or the benzene concentration level in the exhaust vent stream from the control device. Subpart FF. [40 CFR 61.354(c)(8)]
Which Months: All Year Statistical Basis: None specified
- 11 Organic compounds or Benzene recordkeeping by recorder continuously. Record either the concentration level of the organic compounds or the benzene concentration level in the exhaust vent stream from the control device. Subpart FF. [40 CFR 61.354(c)(8)]
- 12 Monitoring data monitored by technically sound method daily. Inspect the data recorded by the monitoring equipment to ensure that the control device is operating properly. Subpart FF. [40 CFR 61.354(c)]
Which Months: All Year Statistical Basis: None specified
- 13 Closed-vent system (bypass line): Seal or closure mechanism monitored by visual inspection/determination monthly. Check the position of the valve and the condition of the car-seal or closure mechanism required under 40 CFR 61.349(a)(1)(ii) to ensure that the valve is maintained in the closed position and the vent stream is not diverted through the bypass line. Subpart FF. [40 CFR 61.354(f)(1)]
Which Months: All Year Statistical Basis: None specified
- 14 Determine compliance with 40 CFR 61 Subpart FF using the test methods and procedures specified in 40 CFR 61.355(a) through (i), as applicable. Subpart FF. [40 CFR 61.355]
- 15 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356(a)]
- 16 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT002 111-93 AS-500R Vent Scrubber

- 17 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. [40 CFR 61.357(d)(6)]
- 18 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. [40 CFR 61.357(d)(8)]
- 19 Submit report: Due quarterly, for each 3-hour period of operation during which the average concentration of organics or the average concentration of benzene in the exhaust gas from a vapor recovery system is more than 20% greater than the design concentration level of organics or benzene in the exhaust gas. [40 CFR 61.357(d)(7)(iv)(D)]
- 20 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]
Which Months: All Year Statistical Basis: None specified
- 21 Maintain a TRE index value \geq 4.0 (no units). [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified
- 22 Bypass lines: Secure the bypass line valve in the non-diverting position with a car-seal or a lock-and-key type configuration. Subpart G. [40 CFR 63.114(d)(2)]
- 23 Bypass lines: Seal or closure mechanism monitored by visual inspection/determination monthly to ensure that the valve is maintained in the non-diverting position and the vent stream is not diverted through the bypass line. Subpart G. [40 CFR 63.114(d)(2)]
Which Months: All Year Statistical Basis: None specified
- 24 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 25 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 26 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]

EQT003 124-95 M-1360 AR Gasoline Storage Tank

- 27 Equip with a submerged fill pipe. [LAC 33:III.2103.A]
- 28 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

EQT004 95-82 GU-334 Lime Storage Vent

- 29 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
- Which Months: All Year Statistical Basis: Six-minute average

EQT005 140-02-A MF-1305G Styrene Storage Tank

- 30 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT005 140-02-A MF-1305G Styrene Storage Tank

- 31 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 32 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT006 140-02-B MF-1305H Styrene Storage Tank

- 33 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 34 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 35 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT007 140-02-C MF-1305I Styrene Storage Tank

- 36 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 37 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 or Group 2 storage vessel that is also subject to the provisions of 40 CFR 60, Subpart Kb, is required to comply only with the provisions of 40 CFR 63 Subpart G. [40 CFR 63.110(b)(1)]
- 38 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 39 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT008 140-02-D MF-305A Styrene Storage Tank

- 40 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 41 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 42 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT009 140-02-E MF-305B Styrene Storage Tank

- 43 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 44 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT009 140-02-E MF-305B Styrene Storage Tank

45 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT010 140-02-F MF-305C Styrene Storage Tank

46 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]

47 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]

48 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT011 140-02-G MF-305D Styrene Storage Tank

49 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]

50 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]

51 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT012 140-02-H MF-305E Styrene Storage Tank

52 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]

53 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]

54 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT013 140-02-I MF-305F Styrene Storage Tank

55 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]

56 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]

57 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT014 141-02-A MF-303A Benzene Storage Tank

58 Equip with a submerged fill pipe. [LAC 33:III.2103.B]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1014 141-02-A MF-303A Benzene Storage Tank

- 59 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 60 Seal gap area $\leq 1 \text{ in}^2/\text{ft}$ of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified
- 61 Seal gap area $\leq 10 \text{ in}^2/\text{ft}$ of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified
- 62 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 63 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 64 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 65 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 66 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 67 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 68 Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover. [LAC 33:III.2103.D.4.a]
- 69 Submit notification: Due to the Office of Environmental Assessments, Environmental Technology Division prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval. [LAC 33:III.2103.D.4.a]
- 70 Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets. [LAC 33:III.2103.D.4.d]
Which Months: All Year Statistical Basis: None specified
- 71 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.4.d]
- 72 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 73 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 74 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 75 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1014 141-02-A MF-303A Benzene Storage Tank

- 76 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the HON external floating roof provisions of 40 CFR 63.119(c) constitutes MACT. [LAC 33:III.5109.A]
- 77 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 or Group 2 storage vessel that is also subject to the provisions of 40 CFR 60, Subpart Kb, is required to comply only with the provisions of 40 CFR 63 Subpart G. [40 CFR 63.110(b)(1)]
- 78 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 storage vessel that is also subject to the provisions of 40 CFR 61 Subpart Y is required to comply only with the provisions of 40 CFR 63 Subpart G. [40 CFR 63.110(b)(2)]
- 79 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, or a closed vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 80 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]
- 81 External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xii). Subpart G. [40 CFR 63.119(c)(2)]
- 82 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). Subpart G. [40 CFR 63.119(c)(3)]
- 83 External floating roof: When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)(4)]
- 84 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) and (b)(1)(iii). Subpart G. [40 CFR 63.120(b)(1)]
- 85 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(b)]
- 86 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]
- 87 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]
- 88 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed $212 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]
- 89 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed $21.2 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]
- 90 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]
- 91 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]
- 92 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1014 141-02-A MF-303A Benzene Storage Tank

- 93 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]
- 94 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]
- 95 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
- 96 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
- 97 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
- 98 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 99 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 100 An owner or operator who elects to comply with 40 CFR 63.119(c) by using an external floating roof shall meet the periodic reporting requirements specified in 40 CFR 63.122(e)(1) through (e)(3). [40 CFR 63.122(e)]
- 101 An owner or operator who elects to comply with 40 CFR 63.119(c) (external floating roof) shall submit, as applicable, the reports specified in 40 CFR 63.122(h)(1) and (h)(2). [40 CFR 63.122(h)]
- 102 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 103 Keep a record that each inspection required by 40 CFR 63.120(a) Subpart G was performed. [40 CFR 63.123(c)]

EQ1015 141-02-B MF-303B Benzene Storage Tank

- 104 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 105 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 106 Seal gap area ≤ 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified
- 107 Seal gap area ≤ 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified
- 108 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 109 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 110 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 111 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1015 141-02-B MF-303B Benzene Storage Tank

- 112 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 113 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 114 Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. [LAC 33:III.2103.D.4.a]
- 115 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval. [LAC 33:III.2103.D.4.a]
- 116 Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets. [LAC 33:III.2103.D.4.d]
- 117 Which Months: All Year Statistical Basis: None specified
- 117 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.4.d]
- 118 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 119 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 120 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 121 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 122 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the HON external floating roof provisions of 40 CFR 63.119(c) constitutes MACT. [LAC 33:III.5109.A]
- 123 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 or Group 2 storage vessel that is also subject to the provisions of 40 CFR 60, Subpart Kb, is required to comply only with the provisions of 40 CFR 63 Subpart G. [40 CFR 63.110(b)(1)]
- 124 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 storage vessel that is also subject to the provisions of 40 CFR 61 Subpart Y is required to comply only with the provisions of 40 CFR 63 Subpart G. [40 CFR 63.110(b)(2)]
- 125 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, or a closed vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 126 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]
- 127 External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xii). Subpart G. [40 CFR 63.119(c)(2)]
- 128 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). Subpart G. [40 CFR 63.119(c)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1015 141-02-B MF-303B Benzene Storage Tank

- 129 External floating roof: When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)(4)]
- 130 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) and (b)(1)(iii). Subpart G. [40 CFR 63.120(b)(1)]
- 131 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]
- 132 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]
- 133 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(f) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]
- 134 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed $212 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]
- 135 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed $21.2 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]
- 136 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]
- 137 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]
- 138 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]
- 139 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]
- 140 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]
- 141 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
- 142 Submit an Initial Notification as required by 40 CFR 63.122(a)(1)
- 143 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
- 144 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 145 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 146 An owner or operator who elects to comply with 40 CFR 63.119(c) by using an external floating roof shall meet the periodic reporting requirements specified in 40 CFR 63.122(e)(1) through (e)(3). [40 CFR 63.122(e)]
- 147 An owner or operator who elects to comply with 40 CFR 63.119(c) (external floating roof) shall submit, as applicable, the reports specified in 40 CFR 63.122(h)(1) and (h)(2). [40 CFR 63.122(h)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1015 141-02-B MF-303B Benzene Storage Tank

- 148 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 149 Keep a record that each inspection required by 40 CFR 63.120(a) Subpart G was performed. [40 CFR 63.123(c)]

EQ1016 141-02-C MF-303C Swing Tank

- 150 Equip with a submerged fill pipe. [LAC 33:III.2103.B]
- 151 Seal closure devices required in LAC 33:III.2103.D shall have no visible holes, tears, or other openings in the seals or seal fabric. [LAC 33:III.2103.D.2.a]
- 152 Seal gap area ≤ 1 in²/ft of tank diameter (6.5 cm²/0.3 m), for gaps between the secondary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.c]
Which Months: All Year Statistical Basis: None specified
- 153 Seal gap area ≤ 10 in²/ft of tank diameter (65 cm²/0.3 m), for gaps between the primary seal and tank wall that exceed 1/8 inch (0.32 cm) in width. [LAC 33:III.2103.D.2.d]
Which Months: All Year Statistical Basis: None specified
- 154 Secondary Seal or closure mechanism monitored by visual inspection/determination semiannually. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 155 Secondary seals: Seal gap area & width monitored by measurement annually at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 156 Primary seals: Seal gap area & width monitored by measurement once every five years at any tank level, provided the roof is off its legs. [LAC 33:III.2103.D.2.e]
Which Months: All Year Statistical Basis: None specified
- 157 Equipment/operational data recordkeeping by electronic or hard copy upon occurrence of event. Keep records of conditions that are not up to the standards described in LAC 33:III.2103.D.2, and the date(s) that the standards are not met. Notify the administrative authority within seven days of noncompliance with LAC 33:III.2103.D.2. [LAC 33:III.2103.D.2.e]
- 158 Provide all openings in the external floating roof (except for automatic bleeder vents, rim space vent, and leg sleeves) with a projection below the liquid surface. Equip each opening in the roof (except for automatic bleeder vents, rim space vents, roof drains, and leg sleeves) with a cover, seal or lid that is to be maintained in a closed position at all times except when the device is in actual use. Keep automatic bleeder vents closed at all times except when the roof is being floated off the roof leg supports. Set rim vents to open when the roof is being floated off the roof leg supports or at the manufacturer's recommended setting. Equip any emergency roof drain with a slotted membrane fabric cover or equivalent cover that covers at least 90 percent of the opening. [LAC 33:III.2103.D.3]
- 159 Equip all covers, seals, lids, automatic bleeder vents and rim space vents with gaskets. [LAC 33:III.2103.D.3]
- 160 Control nonslotted guide poles and stilling wells using pole wipers and gasketing between the well and sliding cover. Control slotted guide poles using a float with wiper, pole wiper, and gasketing between the well and sliding cover. [LAC 33:III.2103.D.4.a]
- 161 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division prior to installation of guide poles and stilling well systems. Submit a description of the method of control and supporting calculations based upon the Addendum to American Petroleum Institute Publication Number 2517 Evaporative Loss from External Floating Roof Tanks, May 1994, for approval. [LAC 33:III.2103.D.4.a]
- 162 Equipment/operational data monitored by visual inspection/determination semiannually. Inspect control systems required by LAC 33:III.2103.D.4 for rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets. [LAC 33:III.2103.D.4.d]
Which Months: All Year Statistical Basis: None specified
- 163 Initiate repairs of any rips, tears, visible gaps in the pole or float wiper, and/or missing sliding cover gaskets by ordering appropriate parts within seven working days after defect is identified, to avoid noncompliance with LAC 33:III.2103.D.4. Complete repairs within three months of the ordering of the repair parts. [LAC 33:III.2103.D.4.d]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT016 141-02-C MF-303C Swing Tank

- 164 Equip with an external floating roof consisting of a pontoon type roof, double deck type roof, or external floating cover which will rest or float on the surface of the liquid contents and is equipped with a primary closure seal to close the space between the roof edge and tank wall and a continuous secondary seal (a rim mounted secondary) extending from the floating roof to the tank wall. [LAC 33:III.2103.D]
- 165 Equip external floating roof with a primary closure seal, consisting of a liquid mounted seal or a mechanical shoe seal, as defined in LAC 33:III.2103.C.1.a and b. [LAC 33:III.2103.D]
- 166 Determine compliance with LAC 33:III.2103.D.2 and 4 using the methods in LAC 33:III.2103.H.1. [LAC 33:III.2103.H.1]
- 167 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.J]
- 168 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the HON external floating roof provisions of 40 CFR 63.119(c) constitutes MACT. [LAC 33:III.5109.A]
- 169 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 or Group 2 storage vessel that is also subject to the provisions of 40 CFR 60, Subpart Kb, is required to comply only with the provisions of 40 CFR 63 Subpart G. Subpart G. [40 CFR 63.110(b)(1)]
- 170 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 storage vessel that is also subject to the provisions of 40 CFR 61 Subpart Y is required to comply only with the provisions of 40 CFR 63 Subpart G. Subpart G. [40 CFR 63.110(b)(2)]
- 171 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, or a closed vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 172 External floating roof: Equip with a closure device between the wall of the storage vessel and the roof edge that meets the specifications in 40 CFR 63.119(c)(1)(i) through (c)(1)(v). Subpart G. [40 CFR 63.119(c)(1)]
- 173 External floating roof: Ensure that each external floating roof meets the specifications listed in 40 CFR 63.119(c)(2)(i) through (c)(2)(xii). Subpart G. [40 CFR 63.119(c)(2)]
- 174 External floating roof: Ensure that the external floating roof is floating on the liquid surface at all times except when the floating roof must be supported by the leg supports during the periods specified in 40 CFR 63.119(c)(3)(i) through (c)(3)(iii). Subpart G. [40 CFR 63.119(c)(3)]
- 175 External floating roof: When the floating roof is resting on the leg supports, ensure that the process of filling, emptying or refilling is continuous and accomplished as soon as practical. Subpart G. [40 CFR 63.119(c)(4)]
- 176 Determine the gap areas and maximum gap widths between the primary seal and the wall of the storage vessel, and the secondary seal and the wall of the storage vessel according to the frequency specified in 40 CFR 63.120(b)(1)(i) and (b)(1)(iii). Subpart G. [40 CFR 63.120(b)(1)]
- 177 If any of the conditions listed in 40 CFR 63.120(b)(10)(i) are found during the visual inspection required by 40 CFR 63.120(b)(10), repair the storage vessel as necessary so that none of the conditions specified exist before filling or refilling the storage vessel with organic HAP. Subpart G. [40 CFR 63.120(b)(10)(i)]
- 178 Submit Notification: Due in writing at least 30 calendar days prior to filling or refilling of each storage vessel with organic HAP to afford DEQ the opportunity to inspect the storage vessel prior to refilling, for all the inspections required by 40 CFR 63.120(b)(10). If the inspection required by 40 CFR 63.120(b)(10) is not planned and it could not have been known about 30 calendar days in advance of refilling the vessel with organic HAP, submit notification at least 7 calendar days prior to refilling. Notification can be made by telephone and immediately followed by written documentation demonstrating why the inspection was unplanned. Subpart G. [40 CFR 63.120(b)(10)]
- 179 Determine gap widths and gap areas in the primary and secondary seals (seal gaps) individually by the procedures described in 40 CFR 63.120(b)(2)(i) through (b)(2)(iii). Subpart G. [40 CFR 63.120(b)(2)]
- 180 Add the gap surface area of each gap location for the primary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the primary seal must not exceed $212 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 3.81 cm. Subpart G. [40 CFR 63.120(b)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT016 141-02-C MF-303C Swing Tank

- 181 Add the gap surface area of each gap location for the secondary seal and divide the sum by the nominal diameter of the vessel. The accumulated area of gaps between the vessel wall and the secondary seal must not exceed $21.2 \text{ cm}^2/\text{m}$ of vessel diameter and the width of any portion of any gap must not exceed 1.27 cm. Subpart G. [40 CFR 63.120(b)(4)]
- 182 Primary seal: Ensure that there are no holes, tears, or other openings in the shoe, seal fabric, or seal envelope. Subpart G. [40 CFR 63.120(b)(5)(ii)]
- 183 Secondary seal: Install above the primary seal so that it completely covers the space between the roof edge and the vessel wall except as provided in 40 CFR 63.120(b)(4). Subpart G. [40 CFR 63.120(b)(6)(i)]
- 184 Secondary seal: Ensure that there are no holes, tears, or other openings in the seal or seal fabric. Subpart G. [40 CFR 63.120(b)(6)(ii)]
- 185 If it is determined that it is unsafe to perform the seal gap measurements required in 40 CFR 63.120(b)(1) and (b)(2) or to inspect the vessel to determine compliance with 40 CFR 63.120(b)(5) and (b)(6) because the floating roof appears to be structurally unsound and poses an imminent or potential danger to inspecting personnel, measure the seal gaps or inspect the storage vessel no later than 30 calendar days after the determination that the roof is unsafe, or empty and remove the storage vessel from service no later than 45 calendar days after determining that the roof is unsafe. Subpart G. [40 CFR 63.120(b)(7)]
- 186 Repair conditions that do not meet requirements listed in 40 CFR 63.120(b)(3), (b)(4), (b)(5) and (b)(6) no later than 45 calendar days after identification, or empty and remove the storage vessel from service no later than 45 calendar days after identification. Subpart G. [40 CFR 63.120(b)(8)]
- 187 Submit Notification: Due in writing 30 calendar days in advance of any gap measurements required by 40 CFR 63.120(b)(1) or (b)(2) to afford DEQ the opportunity to have an observer present. Subpart G. [40 CFR 63.120(b)(9)]
- 188 Submit an Initial Notification as required by 40 CFR 63.151(b). Subpart G. [40 CFR 63.122(a)(1)]
- 189 Submit a Notification of Compliance Status as required by 40 CFR 63.152(b). Include the information specified in 40 CFR 63.122(c). Subpart G. [40 CFR 63.122(a)(3)]
- 190 Submit Periodic Reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(d), (e), (f), and (g). Subpart G. [40 CFR 63.122(a)(4)]
- 191 Submit, as applicable, other reports as required by 40 CFR 63.152(d). Include the information specified in 40 CFR 63.122(h). Subpart G. [40 CFR 63.122(a)(5)]
- 192 An owner or operator who elects to comply with 40 CFR 63.119(c) by using an external floating roof shall meet the periodic reporting requirements specified in 40 CFR 63.122(e)(1) through (e)(3). Subpart G. [40 CFR 63.122(e)]
- 193 An owner or operator who elects to comply with 40 CFR 63.119(c) (external floating roof) shall submit, as applicable, the reports specified in 40 CFR 63.122(h)(1) and (h)(2). Subpart G. [40 CFR 63.122(h)]
- 194 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 195 Keep a record that each inspection required by 40 CFR 63.120(a) Subpart G was performed. Subpart G. [40 CFR 63.123(c)]

EQT017 142-02-A MF-1306AR Ethyl Benzene Storage Tank

- 196 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 197 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 or Group 2 storage vessel that is also subject to the provisions of 40 CFR 60, Subpart Kb, is required to comply only with the provisions of 40 CFR 63 Subpart G. [40 CFR 63.110(b)(1)]
- 198 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 199 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT018 142-02-B MF-1306B Ethyl Benzene Storage Tank

- 200 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 201 After the compliance dates specified in 40 CFR 63.100 of Subpart F, a Group 1 or Group 2 storage vessel that is also subject to the provisions of 40 CFR 60, Subpart Kb, is required to comply only with the provisions of 40 CFR 63 Subpart G. [40 CFR 63.110(b)(1)]
- 202 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 203 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT019 142-02-C MF-302A Ethyl Benzene Storage Tank

- 204 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 205 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 206 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT020 142-02-D MF-302B Ethyl Benzene Storage Tank

- 207 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 208 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 209 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT021 142-02-E MF-304 Ethyl Benzene Storage Tank

- 210 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 211 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 212 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT022 143-02-A MF-1301 Toluene Storage Tank

- 213 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1022 143-02-A MF-1301 Toluene Storage Tank

- 214 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 215 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQ1023 143-02-B MF-301 Toluene Storage Tank

- 216 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 217 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 218 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQ1024 144-02-A Marine Loading

- 219 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining records as required by HON 40 CFR 63.130(f) constitutes MACT. [LAC 33:III.5109.A]
- 220 For each Group 2 transfer rack, the owner or operator shall maintain records as required in 40 CFR 63.130(f). No other provisions for transfer racks apply to the Group 2 transfer rack. [40 CFR 63.126(c)]
- 221 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(f). Subpart G. [40 CFR 63.130]

EQ1025 144-02-B Railcar & Truck Loading

- 222 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining records as required by HON 40 CFR 63.130(f) constitutes MACT. [LAC 33:III.5109.A]
- 223 For each Group 2 transfer rack, the owner or operator shall maintain records as required in 40 CFR 63.130(f). No other provisions for transfer racks apply to the Group 2 transfer rack. [40 CFR 63.126(c)]
- 224 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in 40 CFR 63.130(e) and (f). Subpart G. [40 CFR 63.130]

EQ1026 145-02-A HF-1201/1219 Process Superheater

- 225 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 226 Total suspended particulate <= 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT026 145-02-A HF-1201/1219 Process Superheater

- 227 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.2201.H. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]
- 228 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 229 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 230 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 231 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 232 Emissions testing to demonstrate initial compliance with the NOx emissions factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2201.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance. Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H. [LAC 33:III.2201.G.1]
- 233 The owner or operator of process heaters/furnaces that are subject to LAC 33:III.2201 and that have a maximum rated capacity equal to or greater than 250 MMBtu/hr shall demonstrate compliance as specified in LAC 33:III.2201.H.2.b. [LAC 33:III.2201.H.2.b]
- 234 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 235 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 236 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 237 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 238 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 239 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]
- 240 Comply with the provisions of PSD-LA-690. BACT for PM-10 is the use of clean burning fuels (i.e., natural gas (and process gas for HF-1201/1219)). BACT for CO is good combustion practices. Maximum allowable emissions rates for PM-10 and CO are established by Specific Condition 1 of the PSD permit. [LAC 33:III.509]

EQT028 145-02-C HS-1220 Process Superheater

- 241 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 242 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT02B 145-02-C HS-1220 Process Superheater

- 243 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.2201.H. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]
- 244 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 245 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 246 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 247 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 248 Emissions testing to demonstrate initial compliance with the NOx emissions factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2201.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance. Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H. [LAC 33:III.2201.G.1]
- 249 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.2201.G.2. Also measure CO, SO₂, PM₁₀, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 250 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.2.a.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 251 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.2.a.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 252 Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run. [LAC 33:III.2201.H.2.a.iii]
- 253 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 254 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 255 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 256 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 257 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 258 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2201.J.1]

EQT02D 145-02-D HS-1301AR H.P. Boiler

- 259 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT029 145-02-D HS-1301AR H.P. Boiler

- 260 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 261 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]
- 262 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 263 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 264 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 265 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 266 Emissions testing to demonstrate initial compliance with the NOx emissions factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2201.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance. Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H. [LAC 33:III.2201.G.1]
- 267 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. Applicable through Ozone Season. [LAC 33:III.2201.H.1.a.i]
- 268 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. Applicable through Ozone Season. [LAC 33:III.2201.H.1.a.ii]
- 269 Which Months: May-Sep Statistical Basis: None specified
Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 270 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 271 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 272 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 273 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 274 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 275 Submit report: Due annually, by the 1st of July. Ammonia emissions resulting from the operation of a NOx control equipment system shall be reported annually in accordance with LAC 33:III.5107.A. [LAC 33:III.2201.I.5]
- 276 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 277 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT029 145-02-D HS-1301AR H.P. Boiler

- 278 In lieu of LAC 33:III.2201.H.1.a.iii, install, calibrate, maintain, and operate a NOx CEMS and a CO monitor that have been certified in accordance with Subsection H of LAC 33:III.2201. [LAC 33:III.501.C.6]
- 279 Comply with the provisions of PSD-LA-607. Maximum allowable NOx emission rates per PSD-LA-607 are 63.72 lb/hr and 279.09 TPY. Limits established in this Title V permit are more restrictive due to the implementation of the NOx RACT requirements of LAC 33:III.2201. Maximum allowable emissions rates for PM-10 and CO are established by Specific Condition 1 of the PSD permit and in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]
- 280 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits a Class III TAP only. MACT is not required. [LAC 33:III.5109.A]
- 281 Nitrogen oxides \leq 0.27 lb/MMBTU. This limitation applies at all times, including periods of startup, shutdown, or malfunction. [40 CFR 60.44b(e),(h),(i)]
Which Months: All Year Statistical Basis: Thirty-day rolling average
- 282 Conduct a performance test as required under 40 CFR 60.8 using the continuous system for monitoring NOx under 40 CFR 60.48b(b). [40 CFR 60.46b(e)]
- 283 Install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring NOx emissions discharged to the atmosphere. Comply with 40 CFR 60.48b(c), (d), (e), and (f). [40 CFR 60.48b(b)]
- 284 Comply with 40 CFR 60.49b(a), (b), (d), (g), (i), and (w). All records shall be maintained on site for five years. Provisions for electronic reports are outlined in 40 CFR 60.49b(v). [40 CFR 60.49b]

EQT031 145-02-G HS-2102 Regeneration Gas Heater

- 285 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 286 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 287 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]
- 288 Comply with the provisions of PSD-LA-690. BACT for PM-10 is the use of clean burning fuels (i.e., natural gas (and process gas for HF-120/1219)). BACT for CO is good combustion practices. Maximum allowable emissions rates for PM-10 and CO are established in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]

EQT032 145-02-H HS-2103 BZ Recovery Column Heater

- 289 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 290 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1032 145-02-H HS-2103 BZ Recovery Column Heater

- 291 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]
- 292 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 293 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 294 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 295 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 296 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III. Chapter 22. Also measure CO, SO₂, PM₁₀, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 297 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.2.a.i]
- Which Months: May-Sep Statistical Basis: None specified
- 298 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.2.a.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 299 Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run. [LAC 33:III.2201.H.2.a.iii]
- 300 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 301 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 302 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 303 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 304 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 305 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2201.J.1]
- 306 Comply with the provisions of PSD-LA-690. BACT for PM-10 is the use of clean burning fuels (i.e., natural gas (and process gas for HF-1201/1219)). BACT for CO is good combustion practices. Maximum allowable emissions rates for PM-10 and CO are established by the rates listed in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]

EQ1033 145-02-I HS-2104 EB Recovery Column Heater

- 307 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT033 145-02-I HS-2104 EB Recovery Column Heater

- 308 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 309 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]
- 310 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 311 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 312 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 313 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 314 Emissions testing to demonstrate initial compliance with the NOx emissions factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2201.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance. Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H. [LAC 33:III.2201.G.1]
- 315 The owner or operator of process heaters/furnaces that are subject to LAC 33:III.2201 and that have a maximum rated capacity equal to or greater than 250 MMBtu/hr shall demonstrate compliance as specified in LAC 33:III.2201.H.2.b. [LAC 33:III.2201.H.2.b]
- 316 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 317 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 318 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 319 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 320 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 321 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]
- 322 Comply with the provisions of PSD-LA-690. BACT for PM-10 is the use of clean burning fuels (i.e., natural gas (and process gas for HF-1201/1219)). BACT for CO is good combustion practices. Maximum allowable emissions rates for PM-10 and CO are established by the rates listed in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]

EQT034 145-02-J HS-2105 PEB Recovery Column Heater

- 323 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT034 145-02-J HS-2105 PEB Recovery Column Heater

324 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average

325 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

326 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]

327 Comply with the provisions of PSD-LA-690. BACT for PM-10 is the use of clean burning fuels (i.e., natural gas (and process gas for HF-1201/1219)). BACT for CO is good combustion practices. Maximum allowable emissions rates for PM-10 and CO are established by the rates listed in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]

EQT038 145-02-O HS-8201/8219 Process Superheater

328 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]

Which Months: All Year Statistical Basis: None specified

329 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified

330 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]

331 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]

332 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]

333 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]

334 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]

335 Emissions testing to demonstrate initial compliance with the NOx emissions factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2201.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance. Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H. [LAC 33:III.2201.G.1]

336 The owner or operator of process heaters/furnaces that are subject to LAC 33:III.2201 and that have a maximum rated capacity equal to or greater than 250 MMBtu/hr shall demonstrate compliance as specified in LAC 33:III.2201.H.2.b. [LAC 33:III.2201.H.2.b]

337 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT038 145-02-O HS-8201/8219 Process Superheater

- 338 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 339 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 340 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 341 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 342 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]
- 343 Comply with the provisions of PSD-LA-690. BACT for PM-10 is the use of clean burning fuels (i.e., natural gas and process gas). BACT for CO is good combustion practices. Maximum allowable emissions rates for PM-10 and CO are established by the rates listed in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]

EQT039 145-02-P HS-8220 Reheater

- 344 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- 345 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- 346 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Compliance data shall be reported to the department annually in accordance with LAC 33:III.918. In addition, quarterly reports of three-hour emissions and prompt reports of emergency occurrences in accordance with LAC 33:III.927 shall be made. [LAC 33:III.1513]
- 347 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 348 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 349 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 350 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 351 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM₁₀, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 352 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.2.a.i]
- 353 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.2.a.ii]
- 354 Operate the process heater/furnace within the fuel and oxygen limits established during the initial compliance run. [LAC 33:III.2201.H.2.a.iii]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT039 145-02-P HS-8220 Reheater

- 355 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 356 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 357 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 358 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 359 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 360 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]
- 361 Comply with the provisions of PSD-LA-690. BACT for PM-10 is the use of clean burning fuels (i.e., natural gas and process gas). BACT for CO is good combustion practices. Maximum allowable emissions rates for PM-10 and CO are established by Specific Condition 1 of the PSD permit. [LAC 33:III.509]

EQT040 147-02-A Effluent Sump 1517

- 362 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 363 For wastewater streams that are Group 2 for both table 8 and table 9 compounds in 40 CFR 63 Subpart G Appendix, comply with the applicable recordkeeping and reporting requirements specified in 40 CR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT041 147-02-B GU-1501 WWTs Effluent Clarifier

- 364 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 365 For wastewater streams that are Group 2 for both table 8 and table 9 compounds in 40 CFR 63 Subpart G Appendix, comply with the applicable recordkeeping and reporting requirements specified in 40 CR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT042 147-02-C M-1501 Wastewater Storage Tank

- 366 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]

EQT043 147-02-D M-1506A WW Neutralization Tank

- 367 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 368 For wastewater streams that are Group 2 for both table 8 and table 9 compounds in 40 CFR 63 Subpart G Appendix, comply with the applicable recordkeeping and reporting requirements specified in 40 CR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT044 147-02-E M-1506B WW Neutralization Tank

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT044 147-02-E M-1506B WW Neutralization Tank

- 369 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 370 For wastewater streams that are Group 2 for both table 8 and table 9 compounds in 40 CFR 63 Subpart G Appendix, comply with the applicable recordkeeping and reporting requirements specified in 40 CR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT045 147-02-F M-2514 Stormwater Storage Tank

- 371 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 372 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT046 147-02-G M-2520 EBIII Storm Water Sump

- 373 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 374 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT047 147-02-H M-2521 EBIII Storm Water Sump

- 375 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 376 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT048 147-02-I Storm Water Sump 5

- 377 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 378 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT049 147-02-J Storm Water Sump 6

- 379 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 380 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT050 147-02-K East Tankfarm Storm Water Sump 19

- 381 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 382 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT051 147-02-L EB II Sump 4

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT051 147-02-L EB II Sump 4

- 383 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 384 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT052 147-02-M West Tankfarm Storm Water Sump 2

- 385 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 386 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT053 147-02-N East Tankfarm Storm Water Sump 3

- 387 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 388 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT054 147-02-O East Tankfarm Storm Water Sump 1326

- 389 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 390 Stormwater from segregated sewers is not subject to 40 CFR 63 Subparts F & G. [40 CFR 63.100(f)(2)]

EQT055 147-02-P M-321 Railcar Rack Wastewater Tank

- 391 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Maintaining the total annual average concentration of TAPs below 1000 ppmw constitutes MACT. [LAC 33:III.5109.A]
- 392 Determine whether each wastewater stream requires control for Table 9 compounds by complying with the requirements in 40 CFR 63.132(a)(1)(i), and (a)(1)(ii), and (a)(1)(iii). Subpart G. [40 CFR 63.132(a)(1)]
- 393 For wastewater streams that are Group 2 for table 9 compounds, comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(3)]

EQT056 148-02-A MF-109 PEB Residue Storage Tank

- 394 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT057 148-02-B MF-225 PEB Residue Storage Tank

- 395 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT058 149-02-A M-1314 Boiler Feed - Water Tank

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT058 149-02-A M-1314 Boiler Feed - Water Tank

396 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT059 149-02-B M-314 Boiler Feed - Water Tank

397 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. No further control is required. [LAC 33:III.5109.A]

EQT060 150-02-A GQ-1306 Flare

398 Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]

Which Months: All Year Statistical Basis: None specified

399 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]

400 Comply with the provisions of PSD-LA-690. Maximum allowable CO emission rates are established by the rates listed in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]

401 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the requirements of 40 CFR 63.11(b) constitutes MACT. [LAC 33:III.5109.A]

402 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]

Which Months: All Year Statistical Basis: None specified

403 Flares shall comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)(iii)]

404 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]

405 Maintain records of a design analysis which considers the vent stream composition, constituent concentrations, and flow rate. The design analysis shall also consider the requirements specified in 40 CFR 60.18. [40 CFR 61.356(f)(2)(i)(D)]

406 Maintain continuous records of the flare pilot flame monitoring and records of all periods during which the pilot flame is absent. [40 CFR 61.356(j)(7)]

407 Report each period in which the pilot flame of a flare is absent during Startup, Shutdown, and Malfunction (SS&M) events at AS-500R Vent Scrubber. [40 CFR 61.357(d)(7)(iv)(F)]

408 GQ-1306 Flare controls HON regulated streams only during Startup, Shutdown, and Malfunction (SS&M) events at the primary recovery device, AS-500R Vent Scrubber. [40 CFR 61]

409 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

410 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

411 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT060 150-02-A GQ-1306 Flare

- 412 Heat content \geq 300 BTU/scf (1.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
- Which Months: Phases: Statistical Basis: None specified
- 413 Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]
- 414 Presence of a flame monitored by the regulation's specified method(s) continuously. Subpart G. [40 CFR 63.114(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 415 The owner or operator of a process vent shall comply with 40 CFR 63.114(d)(1) or (d)(2) for any bypass line between the origin of the gas stream and the point where the gas stream reaches the process vent that could divert the gas stream directly to the atmosphere. Equipment such as low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and pressure relief valves needed for safety purposes are not subject to 40 CFR 63.114(d)(1) and (d)(2). [40 CFR 63.114(d)]
- 416 Conduct a visible emission test using the techniques specified in 40 CFR 63.11(b)(4). Subpart G. [40 CFR 63.116(a)(1)]
- 417 Determine the net heating value of the gas being combusted using the techniques specified in 40 CFR 63.11(b)(6). Subpart G. [40 CFR 63.116(a)(2)]
- 418 Determine the exit velocity using the techniques specified in either 40 CFR 63.11(b)(7)(i) or 63.11(b)(8), as appropriate. Subpart G. [40 CFR 63.116(a)(3)]
- 419 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
- 420 Submit the periodic reports specified in 40 CFR 63.118(f)(3) through (5). [40 CFR 63.118(f)]

EQT061 150-02-B GQ-2310 Flare

- 421 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
- Which Months: All Year Statistical Basis: None specified
- 422 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 423 Comply with the provisions of PSD-LA-690. Maximum allowable CO emission rates are established in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]
- 424 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the requirements of 40 CFR 63.11(b) constitutes MACT. [LAC 33:III.5109.A]
- 425 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 426 Flares shall comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)iii]
- 427 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]
- 428 Maintain records of a design analysis which considers the vent stream composition, constituent concentrations, and flow rate. The design analysis shall also consider the requirements specified in 40 CFR 60.18. [40 CFR 61.356(f)(2)(i)(D)]
- 429 Maintain continuous records of the flare pilot flame monitoring and records of all periods during which the pilot flame is absent. [40 CFR 61.356(j)(7)]
- 430 Report each period in which the pilot flame of a flare is absent. [40 CFR 61.357(d)(7)(iv)(F)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT061 150-02-B GQ-2310 Flare

- 431 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 432 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 433 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]
- 434 Heat content \geq 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]
- Which Months: Phases: Statistical Basis: None specified
- 435 Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]
- 436 Presence of a flame monitored by the regulation's specified method(s) continuously. Subpart G. [40 CFR 63.114(a)(2)]
- Which Months: All Year Statistical Basis: None specified
- 437 The owner or operator of a process vent shall comply with 40 CFR 63.114(d)(1) or (d)(2) for any bypass line between the origin of the gas stream and the point where the gas stream reaches the process vent that could divert the gas stream directly to the atmosphere. Equipment such as low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and pressure relief valves needed for safety purposes are not subject to 40 CFR 63.114(d)(1) and (d)(2). [40 CFR 63.114(d)]
- 438 Conduct a visible emission test using the techniques specified in 40 CFR 63.11(b)(4). Subpart G. [40 CFR 63.116(a)(1)]
- 439 Determine the net heating value of the gas being combusted using the techniques specified in 40 CFR 63.11(b)(6). Subpart G. [40 CFR 63.116(a)(2)]
- 440 Determine the exit velocity using the techniques specified in either 40 CFR 63.11(b)(7)(i) or 63.11(b)(8), as appropriate. Subpart G. [40 CFR 63.116(a)(3)]
- 441 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]
- 442 Submit the periodic reports specified in 40 CFR 63.118(f)(3) through (5). [40 CFR 63.118(f)]

EQT062 150-02-C GQ-304 Flare

- 443 Opacity \leq 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets. [LAC 33:III.1105]
- Which Months: All Year Statistical Basis: None specified
- 444 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 445 Comply with the provisions of PSD-LA-690. Maximum allowable CO emission rates are established in the Emission Rates for Criteria Pollutants Table in this Part 70 permit. [LAC 33:III.509]
- 446 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the requirements of 40 CFR 63.11(b) constitutes MACT. [LAC 33:III.5109.A]
- 447 Presence of a flame monitored by flame monitor continuously. Use a thermocouple or any other equivalent device to detect the presence of a flare pilot flame. Subpart A. [40 CFR 60.18(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 448 Flares shall comply with the requirements of 40 CFR 60.18. Subpart FF. [40 CFR 61.349(a)(2)iii]
- 449 Presence of a flame recordkeeping by recorder continuously. Subpart FF. [40 CFR 61.354(c)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT062 150-02-C GQ-304 Flare

- 450 Maintain records of a design analysis which considers the vent stream composition, constituent concentrations, and flow rate. The design analysis shall also consider the requirements specified in 40 CFR 60.18. [40 CFR 61.356(f)(2)(i)(D)]
- 451 Maintain continuous records of the flare pilot flame monitoring and records of all periods during which the pilot flame is absent. [40 CFR 61.356(j)(7)]
- 452 Report each period in which the pilot flame of a flare is absent during Startup, Shutdown, and Malfunction (SS&M) Events at AS-500R Vent Scrubber. [40 CFR 61.357(d)(7)(iv)(F)]
- 453 GQ-304 Flare controls HON regulated streams only during Startup, Shutdown, and Malfunction (SS&M) events at the primary recovery device, AS-500R Vent Scrubber. [40 CFR 61]
- 454 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 455 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 456 Operate with a flame present at all times. Subpart A. [40 CFR 63.11(b)(5)]
- 457 Heat content ≥ 300 BTU/scf (11.2 MJ/scm). Determine the net heating value of the gas being combusted using the equation specified in 40 CFR 63.11(b)(6)(ii). Subpart A. [40 CFR 63.11(b)(6)(ii)]

Which Months: Phases: Statistical Basis: None specified

458 Reduce emissions of organic HAP using a flare. Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]

459 Presence of a flame monitored by the regulation's specified method(s) continuously. Subpart G. [40 CFR 63.114(a)(2)]

Which Months: All Year Statistical Basis: None specified

460 The owner or operator of a process vent shall comply with 40 CFR 63.114(d)(1) or (d)(2) for any bypass line between the origin of the gas stream and the point where the gas stream reaches the process vent that could divert the gas stream directly to the atmosphere. Equipment such as low leg drains, high point bleeds, analyzer vents, open-ended valves or lines, and pressure relief valves needed for safety purposes are not subject to 40 CFR 63.114(d)(1) and (d)(2). [40 CFR 63.114(d)]

461 Conduct a visible emission test using the techniques specified in 40 CFR 63.11(b)(4). Subpart G. [40 CFR 63.116(a)(1)]

462 Determine the net heating value of the gas being combusted using the techniques specified in 40 CFR 63.11(b)(6). Subpart G. [40 CFR 63.116(a)(2)]

463 Determine the exit velocity using the techniques specified in either 40 CFR 63.11(b)(7)(i) or 63.11(b)(8), as appropriate. Subpart G. [40 CFR 63.116(a)(3)]

464 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.118(a)(1) through (a)(4). Subpart G. [40 CFR 63.118(a)]

465 Submit the periodic reports specified in 40 CFR 63.118(f)(3) through (5). [40 CFR 63.118(f)]

EQT063 151-02 Sampling Operations

466 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Procedures to minimize emissions shall be addressed in Cos-Mar's written housekeeping and maintenance plan developed in accordance with LAC 33:III.2113. [LAC 33:III.5109.A]

EQT064 152-02-A G-1301 Cooling Tower 2

467 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the Heat Exchange System requirements of 40 CFR 63.104 of HON Subpart F constitutes MACT. [LAC 33:III.5109.A]

468 Monitor the heat exchange system in accordance with the provisions of 40 CFR 63.104(b). When a leak is developed, comply with 40 CFR 63.104(d). [40 CFR 63.104(a)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQ1064 152-02-A G-1301 Cooling Tower 2

- 469 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 470 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 471 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)(1)]
- 472 If "delay of repair" is invoked, comply with 40 CFR 63.104(g)(2). [40 CFR 63.104(g)(2)]

EQ1065 152-02-B G-301 Cooling Tower 1

- 473 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the Heat Exchange System requirements of 40 CFR 63.104 of HON Subpart F constitutes MACT. [LAC 33:III.5109.A]
- 474 Monitor the heat exchange system in accordance with the provisions of 40 CFR 63.104(b). When a leak is developed, comply with 40 CFR 63.104(d). [40 CFR 63.104(a)]
- 475 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 476 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 477 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)(1)]
- 478 If "delay of repair" is invoked, comply with 40 CFR 63.104(g)(2). [40 CFR 63.104(g)(2)]

EQ1066 152-02-C G-302 Cooling Tower 3

- 479 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the Heat Exchange System requirements of 40 CFR 63.104 of HON Subpart F constitutes MACT. [LAC 33:III.5109.A]
- 480 Monitor the heat exchange system in accordance with the provisions of 40 CFR 63.104(b). When a leak is developed, comply with 40 CFR 63.104(d). [40 CFR 63.104(a)]
- 481 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more speciated HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
Which Months: All Year Statistical Basis: None specified
- 482 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT066 152-02-C G-302 Cooling Tower 3

- 483 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1), Subpart F. [40 CFR 63.104(f)(1)]
- 484 If "delay of repair" is invoked, comply with 40 CFR 63.104(f)(2). [40 CFR 63.104(f)(2)]

EQT067 A-1501/M-1504 Oily Water Steam Stripper

- 485 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 486 Waste Stream: Benzene \leq 10 ppmw (flow weighted). [40 CFR 61.348(a)(1)]
Which Months: All Year Statistical Basis: Annual average
- 487 The owner and operator is in compliance with the requirements of 40 CFR 61 Subpart FF and exempt from 40 CFR 61.348(c) provided that the owner and operator demonstrate that the waste stream is treated by a means or to a level that meets benzene-specific effluent limitations or performance standards in accordance with the Effluent Guidelines and Standards under 40 CFR parts 401 - 464, and the treatment process is designed and operated with a closed-vent system and control device meeting the requirements of 40 CFR 61.349. [40 CFR 61.348(d)(4)]
- 488 Seal all openings and keep closed at all times when waste is being treated, except during inspection and maintenance, except as specified in 40 CFR 61.348(e)(3). [40 CFR 61.348(e)]
- 489 Equipment/operational data monitored by the regulation's specified method(s) at the approved frequency. [40 CFR 61.348(g)]
Which Months: All Year Statistical Basis: None specified
- 490 Maintain for the life of the unit a statement signed and dated certifying that the unit is designed to operate at the documented performance level when the waste stream entering the unit is at the highest waste stream flow rate and benzene content expected to occur. [40 CFR 61.356(e)(1)]
- 491 For each treatment process and wastewater treatment system unit operated to comply with 40 CFR 61.348, the owner or operator shall maintain documentation that includes the information specified in 40 CFR 61.356(i). [40 CFR 61.356(i)]
- 492 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). [40 CFR 61.357(d)(7)]
- 493 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]
- 494 Include in the Notification of Compliance Status Report the information specified in 40 CFR 63.146(b)(1)(i) through (b)(1)(iv). This information may be submitted in any form. Keep such information in a readily accessible location. [40 CFR 63.146(b)(1)]

EQT068 A-204/M-202 Stormwater Steam Stripper

- 495 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 496 Waste Stream: Benzene \leq 10 ppmw (flow weighted). [40 CFR 61.348(a)(1)]
Which Months: All Year Statistical Basis: Annual average
- 497 The owner and operator is in compliance with the requirements of 40 CFR 61 Subpart FF and exempt from 40 CFR 61.348(c) provided that the owner and operator demonstrate that the waste stream is treated by a means or to a level that meets benzene-specific effluent limitations or performance standards in accordance with the Effluent Guidelines and Standards under 40 CFR parts 401 - 464, and the treatment process is designed and operated with a closed-vent system and control device meeting the requirements of 40 CFR 61.349. [40 CFR 61.348(d)(4)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT068 A-204/M-202 Stormwater Steam Stripper

- 498 Seal all openings and keep closed at all times when waste is being treated, except during inspection and maintenance, except as specified in 40 CFR 61.348(e)(3). [40 CFR 61.348(e)]
- 499 Equipment/operational data monitored by the regulation's specified method(s) at the approved frequency. [40 CFR 61.348(g)]
Which Months: All Year Statistical Basis: None specified
- 500 Maintain for the life of the unit a statement signed and dated certifying that the unit is designed to operate at the documented performance level when the waste stream entering the unit is at the highest waste stream flow rate and benzene content expected to occur. [40 CFR 61.356(e)(1)]
- 501 For each treatment process and wastewater treatment system unit operated to comply with 40 CFR 61.348, the owner or operator shall maintain documentation that includes the information specified in 40 CFR 61.356(i). [40 CFR 61.356(i)]
- 502 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). [40 CFR 61.357(d)(7)]
- 503 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]
- 504 Include in the Notification of Compliance Status Report the information specified in 40 CFR 63.146(b)(1)(i) through (b)(1)(iv). This information may be submitted in any form. Keep such information in a readily accessible location. [40 CFR 63.146(b)(1)]

EQT069 AF-1202/AF-1202A Styrene B Recycle and Rectifier Column

- 505 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]
- 506 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]
- 507 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]
Which Months: All Year Statistical Basis: None specified
Maintain a TRE index value >= 4.0 (no units). [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified
- 509 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 510 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT070 AF-1203 Styrene B Finishing Column

- 511 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT070 AF-1203 Styrene B Finishing Column

- 512 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]
- 513 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- 514 Maintain a TRE index value \geq 4.0 (no units). [40 CFR 63.113(e)]
- Which Months: All Year Statistical Basis: None specified
- 515 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 516 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT071 AF-202 Styrene A Recycle Column

- 517 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]
- 518 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]
- 519 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]
- Which Months: All Year Statistical Basis: None specified
- 520 Maintain a TRE index value \geq 4.0 (no units). [40 CFR 63.113(e)]
- Which Months: All Year Statistical Basis: None specified
- 521 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 522 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT072 AF-203R Styrene A Finishing Column

- 523 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]
- 524 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT072 AF-203R Styrene A Finishing Column

525 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]

Which Months: All Year Statistical Basis: None specified

526 Maintain a TRE index value \geq 4.0 (no units). [40 CFR 63.113(e)]

Which Months: All Year Statistical Basis: None specified

527 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

528 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT073 AF-208 Styrene A Secondary Finishing Column

529 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR

63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]

530 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]

531 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]

Which Months: All Year Statistical Basis: None specified

532 Maintain a TRE index value \geq 4.0 (no units). [40 CFR 63.113(e)]

Which Months: All Year Statistical Basis: None specified

533 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]

534 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT074 AS-1201/AS-1201A Benzene/Toluene and Rectifier Column

535 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]

536 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]

537 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]

Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT074 AS-1201/AS-1201A Benzene/Toluene and Rectifier Column

- 538 Maintain a TRE index value ≥ 4.0 (no units). [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified
- 539 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 540 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT075 AS-1205 Styrene A Recycle Column

- 541 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]
- 542 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]
- 543 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]
Which Months: All Year Statistical Basis: None specified
- 544 Maintain a TRE index value ≥ 4.0 (no units). [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified
- 545 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 546 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT076 AS-201 Styrene A Benzene/Toluene Column

- 547 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]
- 548 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]
- 549 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]
Which Months: All Year Statistical Basis: None specified
- 550 Maintain a TRE index value ≥ 4.0 (no units). [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT076 AS-201 Styrene A Benzene/Toluene Column

551 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1).
Subpart G. [40 CFR 63.117(b)]

552 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT077 AS-205 Styrene A Styrene Recovery Column

553 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 63.113(a)(3) and (e) constitutes MACT. [LAC 33:III.5109.A]

554 Organic compounds: All total organic compounds, minus methane and ethane, in such equipment shall be considered for purposes of applicability and compliance with the HON, as if they were organic hazardous air pollutants. Compliance with the provisions of the HON, in the manner described herein, shall be deemed to constitute compliance with 40 CFR 60 Subpart NNN. [40 CFR 63.110(d)(10)]

555 TRE index value > 1.0 (no units) at the outlet of the final recovery device, or prior to release of the vent stream to the atmosphere if no recovery device is present. Subpart G. [40 CFR 63.113(a)(3)]
Which Months: All Year Statistical Basis: None specified

556 Maintain a TRE index value \geq 4.0 (no units). [40 CFR 63.113(e)]
Which Months: All Year Statistical Basis: None specified

557 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1).
Subpart G. [40 CFR 63.117(b)]

558 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT081 DNBP Sump

559 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]

560 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]

561 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]

562 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]

563 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: Monthly average

564 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT081 **DNBP Sump**

565 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT082 **M-1101 Inhibitor Feed Drum**

- 566 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 567 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 568 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT083 **M-1230 B-Purification Sump**

- 569 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 570 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 571 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 572 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 573 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: Monthly average
- 574 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 575 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT084 **M-1310 B-Offsites Sump**

- 576 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 577 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 578 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 579 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT084 **M-1310 B-Offsites Sump**

- 580 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: Monthly average
- 581 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 582 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT085 **M-1507 Wastewater Treatment Sump**

- 583 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 584 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 585 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 586 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 587 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: Monthly average
- 588 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 589 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT086 **M-210 A-Offsites Sump**

- 590 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 591 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 592 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 593 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 594 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: Monthly average

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT086 M-210 A-Offsites Sump

- 595 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 596 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT087 M-230 A-Purification Sump

- 597 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 598 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 599 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 600 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 601 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
- 602 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 603 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT088 M-240 A-Dehydro Sump

- 604 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 605 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 606 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 607 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 608 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
- 609 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 610 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT090 **M-2503 EBIII Slop Oil Storage Tank**

- 611 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 612 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 613 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)ii]
- 614 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]
- 615 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 616 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 617 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 618 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 619 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT091 **M-260A Decontamination Tank**

- 620 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 621 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 622 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)iii]

EQT092 **M-260B Decontamination Tank**

- 623 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 624 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 625 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)iii]

EQT093 **M-330 A/B Sump**

- 626 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 627 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT093 M-330 A/B Sump

- 628 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 629 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 630 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: Monthly average
- 631 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 632 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT094 M-8220 B-Dehydro Sump

- 633 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 634 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]
- 635 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 636 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 637 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
Which Months: All Year Statistical Basis: Monthly average
- 638 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 639 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]

EQT095 MF-1109 Crude EB Storage Tank

- 640 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 641 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 642 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)(ii)]
- 643 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT095 MF-1109 Crude EB Storage Tank

- 644 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
Which Months: All Year Statistical Basis: None specified
- 645 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 646 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 647 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 648 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT096 MF-126 Styrene B Process Residue Tank

- 649 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with HON Group 1 storage vessel provisions of 40 CFR 63.119 constitutes MACT. [LAC 33:III.5109.A]
- 650 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, or a closed-vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 651 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(i) through (f)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]
- 652 If the emissions are conveyed by a system other than hard-piping, any conveyance system operated under positive pressure shall be subject to the requirements of 40 CFR 63.148. [40 CFR 63.119(f)(2)]
- 653 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]
- 654 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(i) through (f)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]
- 655 For each Group 1 storage vessel, the owner or operator shall comply with the requirements of 40 CFR 63.122(a)(1) through (a)(5). [40 CFR 63.122(a)]
- 656 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 657 Keep in a readily accessible location the records specified in 40 CFR 63.123(h)(1) through (h)(3). [40 CFR 63.123(h)]

EQT097 MF-1304 Crude Styrene Storage Tank

- 658 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 659 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 660 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)(iii)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT097 MF-1304 Crude Styrene Storage Tank

- 661 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]
- 662 Fixed-roof. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 663 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 664 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 665 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 666 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT098 MF-1330A Styrene Residue Tank

- 667 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with HON Group 1 storage vessel provisions of 40 CFR 63.119 constitutes MACT. [LAC 33:III.5109.A]
- 668 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 669 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]
- 670 If the emissions are conveyed by a system other than hard-piping, any conveyance system operated under positive pressure shall be subject to the requirements of 40 CFR 63.148. [40 CFR 63.119(f)(2)]
- 671 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]
- 672 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]
- 673 For each Group 1 storage vessel, the owner or operator shall comply with the requirements of 40 CFR 63.122(a)(1) through (a)(5). [40 CFR 63.122(a)]
- 674 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 675 Keep in a readily accessible location the records specified in 40 CFR 63.123(h)(1) through (h)(3). [40 CFR 63.123(h)]

EQT099 MF-1330B Styrene Residue Tank

- 676 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with HON Group 1 storage vessel provisions of 40 CFR 63.119 constitutes MACT. [LAC 33:III.5109.A]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT099 MF-1330B Styrene Residue Tank

- 677 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof converted to an internal floating roof, or a closed-vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 678 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]
- 679 If the emissions are conveyed by a system other than hard-piping, any conveyance system operated under positive pressure shall be subject to the requirements of 40 CFR 63.148. [40 CFR 63.119(f)(2)]
- 680 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]
- 681 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]
- 682 For each Group 1 storage vessel, the owner or operator shall comply with the requirements of 40 CFR 63.122(a)(1) through (a)(5). [40 CFR 63.122(a)]
- 683 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 684 Keep in a readily accessible location the records specified in 40 CFR 63.123(h)(1) through (h)(3). [40 CFR 63.123(h)]

EQT100 MF-1332A Inhibitor Storage Tank

- 685 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33-III.5109.A]
- 686 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 687 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT101 MF-1332B Inhibitor Storage Tank

- 688 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33-III.5109.A]
- 689 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 690 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT102 MF-1514 Wastewater Storage Tank

- 691 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33-III.5109.A]
- 692 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT102 MF-1514 Wastewater Storage Tank

- 693 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)iii]
- 694 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
Which Months: All Year Statistical Basis: Not applicable
- 695 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 696 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]
- 697 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 63.343(d)]

EQT103 MF-1515 Wastewater Storage Tank

- 698 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 699 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 700 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)iii]
- 701 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
Which Months: All Year Statistical Basis: Not applicable
- 702 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 703 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]
- 704 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 63.343(d)]

EQT104 MF-206 Styrene A Process Residue Tank

- 705 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with HON Group 1 storage vessel provisions of 40 CFR 63.119 constitutes MACT. [LAC 33:III.5109.A]
- 706 Reduce hazardous air pollutants emissions to the atmosphere either by operating and maintaining a fixed roof and internal floating roof, an external floating roof, an external floating roof converted to an internal floating roof, or a closed-vent system and control device, or routing the emissions to a process or a fuel gas system in accordance with the requirements in 40 CFR 63.119(b), (c), (d), (e) or (f), or equivalent as provided in 40 CFR 63.121. Subpart G. [40 CFR 63.119(a)(1)]
- 707 Ensure that the organic HAP in the emissions meet one of, or a combination of, the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv). Comply with the compliance demonstration requirements in 40 CFR 63.120(f). Subpart G. [40 CFR 63.119(f)(1)]
- 708 If the emissions are conveyed by a system other than hard-piping, any conveyance system operated under positive pressure shall be subject to the requirements of 40 CFR 63.148. [40 CFR 63.119(f)(2)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT104 MF-206 Styrene A Process Residue Tank

- 709 Ensure that the fuel gas system or process is operating at all times when organic hazardous air pollutants emissions are routed to it except as provided in 40 CFR 63.102(a)(1) and 63.119(f)(3)(i) through (f)(3)(iii). Subpart G. [40 CFR 63.119(f)(3)]
- 710 Prepare a design evaluation (or engineering assessment) that demonstrates the extent to which one or more of the ends specified in 40 CFR 63.119(f)(1)(i) through (f)(1)(iv) are being met. Submit as part of the Notification of Compliance Status required by 40 CFR 63.152(b). Subpart G. [40 CFR 63.120(f)]
- 711 For each Group 1 storage vessel, the owner or operator shall comply with the requirements of 40 CFR 63.122(a)(1) through (a)(5). [40 CFR 63.122(a)]
- 712 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 1 or Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]
- 713 Keep in a readily accessible location the records specified in 40 CFR 63.123(h)(1) through (h)(3). [40 CFR 63.123(h)]

EQT105 MF-208A Crude Styrene Storage Tank

- 714 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 715 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 716 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)(iii)]
- 717 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]
- 718 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 719 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 720 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 721 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 722 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT106 MF-208B Crude Styrene Storage Tank

- 723 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 724 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 725 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)(iii)]
- 726 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT106 MF-208B Crude Styrene Storage Tank

- 727 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
Which Months: All Year Statistical Basis: None specified
- 728 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 729 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 730 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 731 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT107 MS-112 Recycle Styrene Storage Tank

- 732 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the recordkeeping requirements of 40 CFR 63.123(a) constitutes MACT. [LAC 33:III.5109.A]
- 733 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 734 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT108 MS-1307 Slop Oil Storage Tank

- 735 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 736 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 737 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)(ii)]
- 738 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(1)(C)]
- 739 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
Which Months: All Year Statistical Basis: None specified
- 740 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 741 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 742 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT108 MS-1307 Slop Oil Storage Tank

743 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT109 MS-1312 Off-test Styrene Tank

- 744 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 745 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 746 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)iii]
- 747 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]
- 748 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 749 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 750 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 751 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 752 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT110 MS-212 Off-test Styrene Tank

- 753 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 754 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 755 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)ii]
- 756 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]
- 757 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 758 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 759 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT110 MS-212 Off-test Styrene Tank

- 760 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 761 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT115 MS-307A Slop Oil Storage Tank

- 762 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 763 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 764 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)ii]
- 765 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]
- 766 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 767 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]
- 768 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 769 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 770 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT116 MS-307B Slop Oil Storage Tank

- 771 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 772 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 773 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)ii]
- 774 If the cover and closed-vent system operate such that the tank is maintained at a pressure less than atmospheric pressure, then 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(i)(C)]
- 775 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: None specified
- 776 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 61.343(d)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

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Air - Title V Regular Permit Minor Mod

EQT116 MS-307B Slop Oil Storage Tank

- 777 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 778 For each Group 2 storage vessel that is not part of an emissions average as described in 40 CFR 63.150 of Subpart G, the owner or operator shall comply with the recordkeeping requirements in 40 CFR 63.123(a) and is not required to comply with any other provisions in 40 CFR 63.119 through 40 CFR 63.123 of Subpart G. [40 CFR 63.119(a)(3)]
- 779 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT117 MT-1502 Oily Water Surge Tank

- 780 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with the 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 781 Fixed roof: Ensure that the cover and all openings are designed to operate with no detectable emissions as indicated by an instrument reading less than 500 ppmv above background, as determined initially and thereafter at least once per year by the methods specified in 40 CFR 61.355(h). Subpart FF. [40 CFR 61.343(a)(1)(i)(A)]
- 782 Operate the cover and closed-vent system such that the tank is maintained at a pressure less than atmospheric pressure. Then, 40 CFR 61.343(a)(1)(i)(B) does not apply to any opening that meets the specified conditions in 40 CFR 61.343(a)(1)(i)(C). [40 CFR 61.343(a)(1)(i)(C)]
- 783 The closed-vent system and control device shall be designed and operated in accordance with the requirements of 40 CFR 61.349. [40 CFR 61.343(a)(1)iii]
- 784 Fixed-roof: Equipment/operational data monitored by visual inspection/determination once initially and once every quarter to ensure that no cracks or gaps occur and that access doors and other openings are closed and gasketed properly. Subpart FF. [40 CFR 61.343(c)]
- Which Months: All Year Statistical Basis: Not applicable
- 785 Test equipment for compliance with no detectable emissions as required in 40 CFR 61.343 through 40 CFR 61.347, and 40 CFR 61.349 in accordance with 40 CFR 61.355(h)(1) through (h)(7). [40 CFR 61.355(h)]
- 786 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). [40 CFR 63.132(a)(4)]
- 787 Make first efforts at repair as soon as practicable, but not later than 45 calendar days after a broken seal or gasket or other problem is identified, or when detectable emissions are measured, except as provided in 40 CFR 61.350. Subpart FF. [40 CFR 63.343(d)]

EQT119 MR-1201AR Styrene A Dehydro Reactor

- 788 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]
- Which Months: All Year Statistical Basis: None specified
- 789 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]
- 790 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the item specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]
- 791 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]
- 792 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

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Air - Title V Regular Permit Minor Mod

EQT119 MR-1201AR Styrene A Dehydro Reactor

- 793 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]
- 794 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]
- 795 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]
- 796 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]
- 797 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT120 MR-1201BRR Styrene A Dehydro Reactor

- 798 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]
- 799 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]
- 800 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the item specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]
- 801 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]
- 802 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]
- 803 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]
- 804 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]
- 805 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]
- 806 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]
- 807 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT121 MR-1201C Styrene A Dehydro Reactor

- 808 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT121 MR-1201C Styrene A Dehydro Reactor

- 809 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]
- 810 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the items specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]
- 811 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]
- 812 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]
- 813 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]
- 814 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]
- 815 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]
- 816 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]
- 817 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT122 MR-8201AR Styrene B Dehydro Reactor

- 818 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]
- Which Months: All Year Statistical Basis: None specified
- 819 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]
- 820 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the item specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]
- 821 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]
- 822 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]
- 823 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]
- 824 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]
- 825 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]
- 826 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT122 MR-8201AR Styrene B Dehydro Reactor

827 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT123 MR-8201BR Styrene B Dehydro Reactor

828 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]

Which Months: All Year Statistical Basis: None specified

829 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]

830 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the item specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]

831 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]

832 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]

833 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]

834 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]

835 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]

836 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]

837 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT124 MR-8201C Styrene B Dehydro Reactor

838 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]

Which Months: All Year Statistical Basis: None specified

839 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]

840 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the item specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]

841 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]

842 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT124 MR-8201C Styrene B Dehydro Reactor

- 843 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]
- 844 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]
- 845 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]
- 846 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]
- 847 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT125 MR-8203AR PAR Reactor

- 848 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]
Which Months: All Year Statistical Basis: None specified
- 849 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]
- 850 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the item specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]
- 851 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]
- 852 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]
- 853 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]
- 854 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]
- 855 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]
- 856 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]
- 857 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT126 MR-8203BR PAR Reactor

- 858 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart RRR. [40 CFR 60.702(a)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT126 MR-8203BR, PAR Reactor

- 859 Install, calibrate, maintain, and operate according to the manufacturer's specifications the equipment specified in 40 CFR 60.703(c)(1). [40 CFR 60.703(c)]
- 860 The requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(d) for the item specified in 40 CFR 60.704(b)(5)(i). [40 CFR 60.704(b)(5)]
- 861 Notify the DEQ with the specific provisions of 40 CFR 60.702 (40 CFR 60.702(a), (b), or (c)) with which the facility operator has elected to comply. Submit the notification with the notification of initial start-up required in 40 CFR 60.7(a)(3). Notify the DEQ 90 days before implementing any change in the provision of 40 CFR 60.702 that the operator elects to make. Conduct the performance test specified by 40 CFR 60.704 within 180 days after the change. Subpart RRR. [40 CFR 60.705(a)]
- 862 Where an owner or operator subject to the provisions of 40 CFR 60 Subpart RRR seeks to demonstrate compliance with 40 CFR 60.702(a) through the use of a boiler or process heater, a report containing a description at which the vent stream is introduced into the boiler or process heater is required. [40 CFR 60.705(b)(2)(i)]
- 863 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.703(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.702(a). [40 CFR 60.705(c)(4)]
- 864 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR shall keep records of the items specified in 40 CFR 60.705(d)(1) and (2). [40 CFR 60.705(d)]
- 865 Each owner or operator subject to the provisions of 40 CFR 60 Subpart RRR is exempt from the quarterly reporting requirements contained in 40 CFR 60.7(c) of the General Provisions. [40 CFR 60.705(k)]
- 866 Submit reports: Due semiannually. Submit the initial semiannual report to the DEQ within 6 months after the initial start-up date. Include the information outlined in 40 CFR 60.705(l)(1), (2), and (7). Subpart RRR. [40 CFR 60.705(l)]
- 867 Maintain on file a schematic diagram of the affected vent streams, collection system(s), fuel systems, control devices, and bypass systems as part of the initial report. This schematic diagram must be retained for the life of the system. [40 CFR 60.705(s)]

EQT127 AS-2106 PEB Recovery Column

- 868 Reduce emissions of organic HAP using a flare that meets the requirements of 40 CFR 63.11(b). Do not vent halogenated vent streams to a flare. Subpart G. [40 CFR 63.113(a)(1)]

EQT128 AS-2107R Vent Gas Scrubber

- 869 Total Organic Compounds (less methane and ethane) \geq 98 % reduction by weight, or to a TOC (less methane and ethane) concentration of 20 ppmv, on a dry basis corrected to 3 percent oxygen, whichever is less stringent. Subpart NNN. [40 CFR 60.662(a)]
Which Months: All Year Statistical Basis: None specified
- 870 When a boiler or process heater with a design heat input capacity of 150 MMBtu/hr or greater is used, the requirement for an initial performance test is waived, in accordance with 40 CFR 60.8(b). However, the Administrator reserves the option to require testing at such other times as may be required, as provided for in section 114 of the Act. [40 CFR 60.664(c)]
- 871 Comply with the reporting requirements of 40 CFR 60.665(a). [40 CFR 60.665(a)]
- 872 For a boiler or process heater submit a report containing the information in 40 CFR 60.665(b)(2)(i). Subpart NNN. [40 CFR 60.665(b)]
- 873 Keep up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored under 40 CFR 60.663(c) as well as up-to-date, readily accessible records whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under 40 CFR 60.662(a). [40 CFR 60.665(c)(4)]
- 874 Flow indication recordkeeping by electronic or hard copy continuously as specified under 40 CFR 60.663(c)(1), as well as up-to-date, readily accessible records of all periods when the vent stream is diverted from the control device or has no flow rate. [40 CFR 60.665(d)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT128 AS-2107R Vent Gas Scrubber

- 875 Keep up-to-date, readily accessible records of all periods of operation of the boiler or process heater. Examples of such records could include records of steam use, fuel use, or monitoring data collected pursuant to other State or Federal regulatory requirements. [40 CFR 60.665(e)]
- 876 Submit semi-annual reports containing the information specified in 40 CFR 60.665(l)(1) through (3). The initial report shall be submitted within 6 months after the initial start-up date. [40 CFR 60.665(l)]
- 877 Flow monitored by flow indicator hourly. Monitor the vent stream flow to the boiler or process heater. Install the flow indicator in the vent stream from each distillation unit within an affected facility at a point closest to the inlet of each boiler or process heater and before being joined with any other vent stream. Subpart NNN. [40 CFR 63.663(c)(1)]
- Which Months: All Year Statistical Basis: None specified
- 878 Flow recordkeeping by electronic or hard copy hourly. Record the vent stream flow to the boiler or process heater at least once every hour for each affected facility. Subpart NNN. [40 CFR 60.663(c)(1)]. [40 CFR 63.663(c)(1)]
- 879 Operating time monitored by hour/time monitor continuously. Monitor the periods of operation. Subpart NNN. [40 CFR 63.663(d)]
- Which Months: All Year Statistical Basis: None specified
- 880 Operating time recordkeeping by electronic or hard copy continuously. Make records, of the periods of operation, readily available for inspection. Subpart NNN. [40 CFR 63.663(d)]

EQT129 145-05-Q HS-1301 BR Boiler

- 881 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 882 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 883 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 884 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 885 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 886 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 887 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 888 Emissions testing to demonstrate initial compliance with the NOx emissions factors of LAC 33:III.2201.D, or with emission limits that are part of an alternative plan under LAC 33:III.2201.E, for affected point sources operating with a CEMS or PEMS that has been certified in accordance with LAC 33:III.2201.H is not required. The certification of the CEMS or PEMS shall be considered demonstration of initial compliance. Testing for initial compliance is not required for an existing CEMS or PEMS that meets the requirements of LAC 33:III.2201.H. [LAC 33:III.2201.G.1]
- 889 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.1.a.ii]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT129 145-05-Q HS-1301 BR Boiler

- 890 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.1.a.i]
Which Months: All Year Statistical Basis: None specified
- 891 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 892 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 893 Carbon monoxide monitored by the regulation's specified method(s) continuously. Monitor carbon monoxide using a CO monitor. [LAC 33:III.2201.H.7]
Which Months: May-Sep Statistical Basis: None specified
- 894 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 895 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 896 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 897 Submit report: Due annually, by the 1st of July. Ammonia emissions resulting from the operation of a NOx control equipment system shall be reported annually in accordance with LAC 33:III.5107.A. [LAC 33:III.2201.I.5]
- 898 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 899 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]
- 900 Until the Selective Catalytic Reduction (SCR) unit is installed and operational, the Permittee shall demonstrate compliance with the 0.2 lbs of NOx/MMBTU emission limit by using the results of the NOx CEMS performance evaluation to adjust the liquid fuel (process residue) firing rate, in addition to the monitoring, recordkeeping, and reporting requirements of 40 CFR 60 Subpart Db. [LAC 33:III.501.C.6]
- 901 In lieu of LAC 33:III.2201.H.1.a.iii, install, calibrate, maintain, and operate a NOx CEMS and a CO monitor that have been certified in accordance with Subsection H of LAC 33:III.2201. [LAC 33:III.501.C.6]
- 902 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Emits a Class III TAP only. MACT is not required. [LAC 33:III.5109.A]
- 903 Nitrogen oxides \leq 0.2 lb/MMBTU (86 ng/J) heat input (expressed as NO₂). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b(e),(h),(i)]
Which Months: All Year Statistical Basis: Thirty-day rolling average
- 904 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d). Subpart Db. [40 CFR 60.48b(b)(1)]
Which Months: All Year Statistical Basis: One-hour average
- 905 Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]
- 906 Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- 907 Comply with 40 CFR 63 Subpart DDDDD upon startup. Subpart DDDDD. [40 CFR 63.7495(c)(1)]
- 908 Hydrochloric acid \leq 0.0005 lb/MMBTU of heat input. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co
Activity Number: PER20070002
Permit Number: 1280-00013-V4
Air - Title V Regular Permit Minor Mod

EQT129 145-05-Q HS-1301 BR Boiler

- 909 Carbon monoxide \leq 400 ppmv (dry basis) corrected to 3% oxygen. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 910 Particulate matter (10 microns or less) \leq 0.03 lb/MMBTU of heat input. Subpart DDDDD. [40 CFR 63.7500(a)(1)]
Which Months: All Year Statistical Basis: None specified
- 911 Maintain the fuel type or fuel mixture such that the hydrogen chloride emission rate calculated according to 40 CFR 63.7530(d)(3) is less than the applicable emission limit.
Subpart DDDDD. [40 CFR 63.7500(a)(2)]
- 912 Be in compliance with the emission limits (including operating limits) and work practice standards in 40 CFR 63 Subpart DDDDD at all times, except during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7505(a)]
- 913 Operate and maintain according to the provisions in 40 CFR 63.6(e)(1)(i) at all times. Subpart DDDDD. [40 CFR 63.7505(b)]
- 914 Demonstrate compliance with any applicable emission limit using performance testing. Fuel analysis may be used if the emission rate calculated according to 40 CFR 63.7530(d) is less than the applicable emission limit. Subpart DDDDD. [40 CFR 63.7505(c)]
- 915 Develop a site-specific monitoring plan according to the requirements in 40 CFR 63.7505(d)(1) through (d)(4). Subpart DDDDD. [40 CFR 63.7505(d)]
- 916 Develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions in 40 CFR 63.6(e)(3). Subpart DDDDD. [40 CFR 63.7505(e)]
- 917 Demonstrate initial compliance with the promulgated emission limits and work practice standards no later than 180 days after startup. Subpart DDDDD. [40 CFR 63.7510(g)]
- 918 Conduct all applicable performance tests according to 40 CFR 63.7520 on an annual basis, unless complying with 40 CFR 63.7515(b) through (d). Subpart DDDDD. [40 CFR 63.7515(a)]
- 919 Conduct a fuel analysis according to 40 CFR 63.7521 for each type of fuel burned no later than 5 years after the previous fuel analysis for each fuel type. If burning a new type of fuel, conduct a fuel analysis before burning the new type of fuel. Meet all applicable continuous compliance requirements in 40 CFR 63.7540. Subpart DDDDD. [40 CFR 63.7515(f)]
- 920 Submit performance test and fuel analysis results: Due within 60 days after the completion of the performance tests or fuel analyses. Verify that the operating limits have not changed or provide documentation of revised operating parameters established according to 40 CFR 63.7530 and 40 CFR 63 Subpart DDDDD Table 7, as applicable. Ensure that reports for all subsequent performance tests and fuel analyses include all applicable information required in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7515(g)]
- 921 Conduct all performance tests according to 40 CFR 63.7(c), (d), (f), and (h). Subpart DDDDD. [40 CFR 63.7520(a)]
- 922 Develop a site-specific test plan according to the requirements in 40 CFR 63.7(c). Subpart DDDDD. [40 CFR 63.7520(a)]
- 923 Conduct each performance test according to the requirements in 40 CFR 63 Subpart DDDDD Table 5. Subpart DDDDD. [40 CFR 63.7520(b)]
- 924 Conduct each performance test under the specific conditions listed in 40 CFR 63 Subpart DDDDD Table 5, as applicable. Conduct performance tests at the maximum normal operating load while burning the type of fuel or mixture of fuels that have the highest content of chlorine, mercury, and total selected metals. Demonstrate initial compliance and establish operating limits based on these tests. Conduct more than one performance test if necessary. Subpart DDDDD. [40 CFR 63.7520(d)]
- 925 Do not conduct performance tests during periods of startup, shutdown or malfunction. Subpart DDDDD. [40 CFR 63.7520(e)]
- 926 Conduct fuel analyses according to the procedures in 40 CFR 63.7521(b) through (e) and 40 CFR 63 Subpart DDDDD Table 6, as applicable. Subpart DDDDD. [40 CFR 63.7521(a)]
- 927 Develop and submit a site-specific fuel analysis plan to DEQ for review and approval. Submit the fuel analysis plan no later than 60 days before the compliance demonstration date. Submit the information specified in 40 CFR 63.7521(b)(2). Subpart DDDDD. [40 CFR 63.7521(b)]
- 928 Carbon monoxide monitored by continuous emission monitor (CEM) continuously, according to the procedures in 40 CFR 63.7525(a)(1) through (a)(6) by the compliance date specified in 40 CFR 63.7495. Subpart DDDDD. [40 CFR 63.7525(a)]
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT129 145-05-Q HS-1301 BR Boiler

- 929 Demonstrate initial compliance with each applicable emission limit and work practice standard by either conducting initial performance tests and establishing operating limits, as applicable, according to 40 CFR 63.7520(c) and Tables 5 and 7; or conducting initial fuel analyses to determine emission rates and establishing operating limits, as applicable, according to 40 CFR 63.7521(d) and Tables 6 and 8. Subpart DDDDD. [40 CFR 63.7530(a)]
- 930 Conduct fuel analyses according to 40 CFR 63.7521 and establish maximum fuel pollutant input levels according to 40 CFR 63.7530(c)(1) through (c)(3), as applicable. Subpart DDDDD. [40 CFR 63.7530(c)]
- 931 Monitor and collect data according to 40 CFR 63.7535 and the site-specific monitoring plan required by 40 CFR 63.7505(d). Subpart DDDDD. [40 CFR 63.7535(a)]
- 932 Fuel recordkeeping by electronic or hard copy continuously. Keep records of the type and amount of all fuels burned during the reporting period to demonstrate that all fuel types and mixtures of fuels burned would either result in lower emissions of TSM, HCl, and mercury, than the applicable emission limit for each pollutant (if demonstrating compliance through fuel analysis), or result in lower fuel input of TSM, chlorine, and mercury than the maximum values calculated during the last performance tests (if demonstrating compliance through performance testing). Subpart DDDDD. [40 CFR 63.7540(a)(2)]
- 933 Recalculate the HCl emission rate using Equation 9 of 40 CFR 63.7530 according to paragraphs 40 CFR 63.7540(a)(3)(i) through (iii), if planning to burn a new type of fuel. Subpart DDDDD. [40 CFR 63.7540(a)(3)]
- 934 Demonstrate continuous compliance with each applicable emission limit, operating limit, and work practice standard in 40 CFR 63 Subpart DDDDD Tables 1 through 4 according to the methods specified in 40 CFR 63 Subpart DDDDD Table 8 and 40 CFR 63.7540(a)(1) through (a)(10). Subpart DDDDD. [40 CFR 63.7540(a)]
- 935 Report each instance in which emission limits, operating limits, and work practice standards in 40 CFR 63 Subpart DDDDD Tables 1 through 4 are not met; and each instance during a startup, shutdown or malfunction when emission limits, operating limits, and work practice standards are not met. Report according to the requirements in 40 CFR 63.7550. Subpart DDDDD. [40 CFR 63.7540(b)]
- 936 Operate in accordance with the SSMP as required by 40 CFR 63.7505(e) during periods of startup, shutdown, and malfunction. Subpart DDDDD. [40 CFR 63.7540(c)]
- 937 Submit all of the notifications in 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), and 63.9(b) through (h) by the dates specified, as specified in 40 CFR 63.7545(b) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7545(a)]
- 938 Submit notification of intent to conduct a performance test at least 30 days before the performance test is scheduled to begin, if required to conduct a performance test. Subpart DDDDD. [40 CFR 63.7545(d)]
- 939 Submit Report: Due if there is a startup, shutdown or malfunction during the reporting period that is not consistent with the startup, shutdown and malfunction plan, and any applicable emission limitation in the relevant emission standard is exceeded. Submit startup, shutdown and malfunction report within 2 working days by fax or telephone after starting actions inconsistent with the startup, shutdown or malfunction plan; and within 7 working days by letter after the end of the event unless alternate arrangements have been made with DEQ. Include actions taken for the event, and the information specified in 40 CFR 63.10(d)(5)(ii). Subpart DDDDD. [40 CFR 63.7550(a)]
- 940 Submit compliance status report: Due semiannually, by the 31st of January and July. Submit the compliance report according to 40 CFR 63.7550(b)(1) through (b)(5). Include the information specified in 40 CFR 63.7550(c) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7550]
- 941 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7555(a) through (e), as applicable. Subpart DDDDD. [40 CFR 63.7555]
- 942 Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560(a)]
- 943 Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record and keep on site for at least 2 years, as specified in 40 CFR 63.10(b)(1). Subpart DDDDD. [40 CFR 63.7560]

EQT130 M-2501R EB III Oily Water Sump

- 944 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Complying with 40 CFR 61 Subpart FF constitutes MACT. [LAC 33:III.5109.A]
- 945 Equip with water seal controls or a tightly sealed cap or plug. Subpart FF. [40 CFR 61.346(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT130 M-2501R EB III Oily Water Sump

- 946 Junction box: Equip with a cover. The junction box may have a vent pipe that is at least 90 cm (3 ft) in length and does not exceed 10.2 cm (4 in) in diameter. Operate the junction box as specified in 40 CFR 61.346(b)(2)(i) and (b)(2)(ii). Subpart FF. [40 CFR 61.346(b)(2)]
- 947 Ensure that each sewer line is not open to the atmosphere and is covered or enclosed in a manner so as to have no visual gaps or cracks in joints, seals, or other emission interfaces. Subpart FF. [40 CFR 61.346(b)(3)]
- 948 Equipment/operational data monitored by visual inspection/determination once initially and once every quarter thereafter. Inspect equipment installed in accordance with 40 CFR 61.346(b)(1), (b)(2), or (b)(3) as specified in 40 CFR 61.346(b)(4)(i) through (b)(4)(iv). Subpart FF. Equipment/operational data monitored by visual inspection/determination once initially and once every quarter. [40 CFR 61.346(b)(4)]
- Which Months: All Year Statistical Basis: Monthly average
- 949 Make a first attempt at repair as soon as practicable, but not later than 15 calendar days after a broken seal, gap, crack, or other problem is identified, except as specified in 40 CFR 61.350. Subpart FF. [40 CFR 61.346(b)(5)]
- 950 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Comply with the applicable recordkeeping and reporting requirements specified in 40 CFR 63.146(b)(1) and 40 CFR 63.147(b)(8). Subpart G. [40 CFR 63.132(a)(3)]

EQT131 145-02-E HS-1301B H.P. Boiler

- 951 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 952 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 953 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 954 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 955 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 956 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 957 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 958 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM-10, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 959 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.1.a.i]
- Which Months: May-Sep Statistical Basis: None specified
- 960 Operate the boiler within the fuel and oxygen limits established during the initial compliance run. [LAC 33:III.2201.H.1.a.iii]
- 961 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.1.a.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 962 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT131 145-02-E HS-1301B H.P. Boiler

- 963 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 964 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 965 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 966 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 967 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2201.J.1] [LAC 33:III.2201.J.1]
- 968 Comply with the provisions of PSD-LA-690. Maximum allowable emission rates for PM-10 and CO are established by the rates listed in the Emissions Rates for Criteria Pollutants table in this Part 70 permit. [LAC 33:III.509]

EQT132 145-02-K HS-301A M.P. Boiler

- 969 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 970 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 971 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 972 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 973 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 974 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 975 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 976 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM-10, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 977 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.1.a.i]
- Which Months: May-Sep Statistical Basis: None specified
- 978 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.1.a.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 979 Operate the boiler within the fuel and oxygen limits established during the initial compliance run. [LAC 33:III.2201.H.1.a.iii]
- 980 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT132 145-02-K HS-301A M.P. Boiler

- 981 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 982 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 983 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 984 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 985 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]

EQT133 145-02-M HS-301C M.P. Boiler

- 986 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
- Which Months: All Year Statistical Basis: None specified
- 987 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
- Which Months: All Year Statistical Basis: None specified
- 988 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 989 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 990 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 991 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 992 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 993 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM-10, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 994 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.1.a.i]
- Which Months: May-Sep Statistical Basis: None specified
- 995 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.1.a.ii]
- Which Months: May-Sep Statistical Basis: None specified
- 996 Operate the boiler within the fuel and oxygen limits established during the initial compliance run. [LAC 33:III.2201.H.1.a.iii]
- 997 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 998 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 999 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT133 145-02-M HS-301C M.P. Boiler

- 1000 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 1001 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 1002 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]

EQT134 145-02-N HS-301D M.P. Boiler

- 1003 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 1004 Total suspended particulate \leq 0.6 lb/MMBTU of heat input. [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 1005 Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 1006 Comply with the provisions of LAC 33:III.2201 during the ozone season (May 1 to September 30) only. [LAC 33:III.2201.A.2]
- 1007 Establish an emission factor for each applicable affected point source such that if each affected point source was operated at its averaging capacity, the cumulative emission factor in pounds NOx/MM Btu from all point sources in the averaging group would not exceed the facility-wide emission factor. Use the equations in LAC 33:III.2201.E.1.a to calculate the cumulative emission rate and the facility-wide emission factor. [LAC 33:III.2201.E.1.a]
- 1008 Demonstrate compliance with the facility-wide averaging plan using either the method in LAC 33:III.2201.E.1.c.i or the method in LAC 33:III.2201.E.1.c.ii. [LAC 33:III.2201.E.1.c]
- 1009 Comply with the facility-wide averaging plan as approved per DEQ. [LAC 33:III.2201.E.1]
- 1010 Perform NOx emissions testing for all point sources that are subject to the emission limitations of LAC 33:III.2201.D or used in one of the alternative plans of LAC 33:III.2201.E, as specified in LAC 33:III.2201.G.2 through G.7. Test results must demonstrate that actual NOx emissions are in compliance with the appropriate limits of LAC 33:III.Chapter 22. Also measure CO, SO₂, PM-10, and VOC if modifications could cause an increase in emissions of any of these compounds. [LAC 33:III.2201.G.2]
- 1011 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.1.a.i]
Which Months: May-Sep Statistical Basis: None specified
- 1012 Oxygen monitored by the regulation's specified method(s) continuously. Monitor oxygen concentration with an oxygen monitor. [LAC 33:III.2201.H.1.a.ii]
Which Months: May-Sep Statistical Basis: None specified
- 1013 Operate the boiler within the fuel and oxygen limits established during the initial compliance run. [LAC 33:III.2201.H.1.a.iii]
- 1014 Existing instrumentation for any requirement in LAC 33:III.2201 shall be acceptable upon approval of the department. [LAC 33:III.2201.H.6]
- 1015 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 1016 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 1017 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

EQT134 145-02-N HS-301D M.P. Boiler

- 1018 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.1.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 1019 Modify and/or install and bring into normal operation NOx control equipment and/or NOx monitoring systems in accordance with LAC 33:III.2201 as expeditiously as possible, but by no later than May 1, 2005, except as provided in LAC 33:III.2202. [LAC 33:III.2201.J.1]

FUG002 136-97 Fugitive Emissions - Painting

- 1020 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]

FUG003 146-02 Process Fugitives

- 1021 Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 1,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.2122.C.3. [LAC 33:III.2122.D.1.a]
- Which Months: All Year Statistical Basis: None specified
- 1022 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
- 1023 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 1024 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III), pumps handling polymerizing monomers), 2,000 ppm (phase III), pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 1025 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- 1026 Monitor monthly with a leak detection device using a leak definition of 1000 ppm. Repair is not necessary unless the leak rate is greater than or equal to 2000 ppm. [40 CFR 63.163(c)(3)]
- 1027 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 1028 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 1029 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 1030 Compressors: Equip with a seal system that includes a barrier fluid system and that prevents leakage of process fluid to the atmosphere, except as provided in 40 CFR 63.162(b) and 40 CFR 63.164(h) and (i). Subpart H. [40 CFR 63.164(a)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

FUG003 146-02 Process Fugitives

- 1031 Compressors: Operate the seal system with the barrier fluid at a pressure that is greater than the compressor stuffing box pressure, or equip with a barrier fluid system degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid directly into a process stream. Subpart H. [40 CFR 63.164(b)]
- 1032 Compressors: Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.164(c)]
- 1033 Compressors: Equip each barrier fluid system as described in 40 CFR 63.164(a) through (c) with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.164(d)]
- 1034 Compressors (sensor): Determine, based on design considerations and operating experience, a criterion that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.164(e)(2)]
- 1035 Compressors: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.164(g)]
- 1036 Compressors (no detectable emissions): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once initially and annually, and at other times requested by DEQ. Subpart H. [40 CFR 63.164(i)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1037 Compressors (sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an alarm, unless the compressor is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criterion determined under 40 CFR 63.164(e)(2), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.164(g). Subpart H. [40 CFR 63.164]
- Which Months: All Year Statistical Basis: None specified
- 1038 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
- Which Months: All Year Statistical Basis: None specified
- 1039 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 1040 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1041 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(d)(2)]
- 1042 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 1043 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 1044 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

FUG003 146-02 Process Fugitives

- 1045 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
Which Months: All Year Statistical Basis: None specified
- 1046 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 1047 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
Which Months: All Year Statistical Basis: None specified
- 1048 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 1049 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(h)(1)]
- 1050 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.168(h)(2)]
Which Months: All Year Statistical Basis: None specified
- 1051 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.168(i)(1)]
- 1052 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Subpart H. [40 CFR 63.168(i)(3)]
Which Months: All Year Statistical Basis: None specified
- 1053 Comply with the monitoring requirements of 40 CFR 63.168(d) using a leak definition of greater than or equal to 500 ppm for valves in gas/vapor and light liquid service. [40 CFR 63.168]
- 1054 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
Which Months: All Year Statistical Basis: None specified
- 1055 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 1056 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]
- 1057 Delay of repair of leaks detected shall be allowed only if the repair is technically infeasible without a process unit shutdown or if the equipment is isolated from the process and does not remain in organic HAP service [40 CFR 63.171(a) and (b)]. [40 CFR 63.171]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

FUG003 146-02 Process Fugitives

- 1058 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
- Which Months: All Year Statistical Basis: None specified
- 1059 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
- Which Months: All Year Statistical Basis: None specified
- 1060 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 1061 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 1062 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within the first 12 months after initial startup or by no later than 12 months after the date of promulgation of a specific subpart that references 40 CFR 63 Subpart H, whichever is later, except as specified in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 1063 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1064 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 1065 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(i). Subpart H. [40 CFR 63.174(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 1066 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 1067 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 1068 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 1069 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Subpart H. [40 CFR 63.174(f)(1)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

FUG003 146-02 Process Fugitives

- 1070 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Subpart H. [40 CFR 63.174(f)(2)]
Which Months: All Year Statistical Basis: None specified
- 1071 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(g)]
- 1072 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(h)(2)]
- 1073 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 1074 If, on a 6-month rolling average, the greater of either 10% or 3 pumps in a process unit leak, implement a quality improvement program as outlined in 40 CFR 63.176. [40 CFR 63.176(a)]
- 1075 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]
- 1076 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k). Subpart H. [40 CFR 63.181]
- 1077 Submit application: Due as soon as practicable before the construction or reconstruction is planned to commence (but it need not be sooner than 90 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H). Submit application for approval of construction or reconstruction required by 40 CFR 63.5(d) in lieu of the Initial Notification. Subpart H. [40 CFR 63.182(b)]
- 1078 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]
- 1079 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

GRP005 141-02 Benzene Tank Emission Cap

- 1080 Total Throughput recordkeeping by electronic or hard copy monthly of all tanks in the Benzene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1081 Total Throughput recordkeeping by electronic or hard copy annually of all tanks in the Benzene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total throughput above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1082 Submit report: Due annually, by the 31st of March. A report showing the total throughput of all tanks in the Benzene Storage Tank Emission Cap in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]
- 1083 Records of tank cleanouts/inspections shall be maintained and kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1084 Annual Throughput \leq 617 MM gallons/yr of all tanks in the Benzene Storage Tank Emission Cap (Part 70 Specific Condition 7 of Permit No. 1280-00013-V0). [LAC 33:III.501.C.6]

GRP006 142-02 Ethyl Benzene Tank Emission Cap

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP006 142-02 Ethyl Benzene Tank Emission Cap

- 1085 Annual Throughput <= 675 MM gallons/yr of all tanks in the Ethyl Benzene Storage Tank Emission Cap (Part 70 Specific Condition 8 of Permit No. 1280-00013-V0). [LAC 33:III.501.C.6]
- 1086 Total Throughput recordkeeping by electronic or hard copy annually of all tanks in the Ethyl Benzene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total throughput above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1087 Total Throughput recordkeeping by electronic or hard copy monthly of all tanks in the Ethyl Benzene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1088 Submit report: Due annually, by the 31st of March: A report showing the total throughput of all tanks in the Ethyl Benzene Storage Tank Emission Cap in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]
- 1089 Records of tank cleanouts/inspections shall be maintained and kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

GRP007 143-02 Toluene Tank Emission Cap

- 1090 Annual Throughput <= 21 MM gallons/yr of all tanks in the Toluene Storage Tank Emission Cap (Part 70 Specific Condition 9 of Permit No. 1280-00013-V0). [LAC 33:III.501.C.6]
- 1091 Total Throughput recordkeeping by electronic or hard copy annually of all tanks in the Toluene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total throughput above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1092 Total Throughput recordkeeping by electronic or hard copy monthly of all tanks in the Toluene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1093 Submit report: Due annually, by the 31st of March: A report showing the total throughput of all tanks in the Toluene Storage Tank Emission Cap in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]
- 1094 Records of tank cleanouts/inspections shall be maintained and kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

GRP008 144-02 Loading Operations Emission Cap

- 1095 Throughput recordkeeping by electronic or hard copy annually by product to the loading racks. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Emissions above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1096 Throughput recordkeeping by electronic or hard copy monthly by product to the loading racks. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1097 Submit report: Due annually, by the 31st of March: A report showing the throughput, by product, to the loading racks and the calculated emissions based on those throughputs in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]

GRP009 145-02 Fired Equipment Emission Cap

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP009 145-02 Fired Equipment Emission Cap

- 1098 Fuel input to the fired equipment shall be recorded each month, as well as fuel input for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Emissions above the maximum listed in this permit for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1099 Submit report: Due annually, by the 31st of March. A report showing the fuel input to the fired equipment and the calculated emissions based on that fuel input in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]

GRP010 147-02 Wastewater Sources Emission Cap

- 1100 Wastewater Throughput recordkeeping by electronic or hard copy monthly of all tanks and sumps in the Wastewater Sources Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1101 Wastewater Throughput recordkeeping by electronic or hard copy annually of all tanks and sumps in the Wastewater Sources Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Emissions above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1102 Submit report: Due annually, by the 31st of March: A report showing the wastewater throughputs of all tanks and sumps in the Wastewater Sources Emission Cap and calculated emissions based on those throughputs in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]

GRP011 148-02 Polyethylbenzene Residue Tank Cap

- 1103 Annual Throughput ≤ 5 MM gallons/yr of all tanks in the Polyethylbenzene (PEB) Residue Tank Cap (Part 70 Specific Condition 13 of Permit No. 1280-00013-V0). [LAC 33:III.501.C.6]
- 1104 Total Throughput recordkeeping by electronic or hard copy monthly of all tanks in the Polyethylbenzene (PEB) Residue Tank Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1105 Total Throughput recordkeeping by electronic or hard copy annually of all tanks in the Polyethylbenzene (PEB) Residue Tank Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total throughput above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1106 Submit report: Due annually, by the 31st of March: A report showing the total throughput of all tanks in the Polyethylbenzene (PEB) Residue Tank Cap in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]
- 1107 Records of tank cleanouts/inspections shall be maintained and kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

GRP012 149-02 Boiler Feed Water Tank Emission Cap

- 1108 Annual Throughput ≤ 1300 MM gallons/yr of all tanks in the Boiler Feedwater Tank Emission Cap (Part 70 Specific Condition 14 of Permit No. 1280-00013-V0). [LAC 33:III.501.C.6]
- 1109 Total Throughput recordkeeping by electronic or hard copy monthly of all tanks in the Boiler Feed Water Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP012 149-02 Boiler Feed Water Tank Emission Cap

- 1110 Total Throughput recordkeeping by electronic or hard copy annually of all tanks in the Boiler Feed Water Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total throughput above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1111 Submit report: Due annually, by the 31st of March: A report showing the total throughput of all tanks in the Boiler Feed Water Tank Emission Cap in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]
- 1112 Records of tank cleanouts/inspections shall be maintained and kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]

GRP013 150-02 Flare Emission Cap

- 1113 Submit report: Due annually, by the 31st of March: A report showing startup, shutdown, malfunction events, and the calculated emissions in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]
- 1114 Monthly records of startup, shutdown, malfunction events, and pilot gas usage for the flares in the Flare Emission Cap shall be recorded each month, as well as for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Emissions above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]

GRP014 152-02 Cooling Tower Emission Cap

- 1115 Monthly operating records of circulation rates and chlorine and site-specific HAP concentrations in the cooling towers in the Cooling Tower Emission Cap shall be recorded each month, as well as for the last twelve months. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Emissions above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1116 Submit report: Due annually, by the 31st of March: A report showing the calculated emissions in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]

GRP015 Styrene Monomer Plant

- 1117 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 1118 The emission of smoke from a flare or other similar device used for burning in connection with pressure valve releases for control over process upsets shall be controlled so that the shade or appearance of the emission does not exceed 20 percent opacity (LAC 33:III.1503.D.2, Table 4) for a combined total of six hours in any 10 consecutive days. If it appears the emergency cannot be controlled in six hours, the Office of Environmental Compliance shall be notified by the emitter as soon as possible by telephone at (225) 763-3908 during office hours; (225) 342-1234 after hours, weekends, and holidays; by e-mail utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance after the start of the upset period. Such notification does not imply the administrative authority will automatically grant an exemption to the source(s) of excessive emissions. [LAC 33:III.1105]
- 1119 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP015 Styrene Monomer Plant

- 1120 Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.1-7. [LAC 33:III.1305]
- 1121 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 1122 Submit permit application: Due prior to construction, reconstruction or modification unless otherwise provided in LAC 33:III.Chapter 5. Submit a timely and complete permit application to the Office of Environmental Services, Permits Division as required in accordance with the procedures in LAC 33:III.Chapter 5. [LAC 33:III.501.C.1]
- 1123 Chlorine \leq 0.34 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1124 Cumene \leq 0.63 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1125 Methanol \leq 0.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1126 n-Hexane \leq 0.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1127 Styrene \leq 92.44 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1128 Xylene (mixed isomers) \leq 5.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1129 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, Toluene, Xylene, m/p-Xylene, o-Xylene. (State Only). [LAC 33:III.501.C.6]
- 1130 Maintain, to the extent practicable, a leak-free facility taking such steps as are necessary and reasonable to prevent leaks and to expeditiously repair leaks that occur. Update the written plan presently required by LAC 33:III.2113.A.4 within 30 days of receipt of this permit to incorporate these general duty obligations into the housekeeping procedures. The plan shall then be considered a means of emission control subject to the required use and maintenance provisions of LAC 33:III.905. Failure to develop, use, and diligently maintain the plan shall be a violation of this permit. (State Only). [LAC 33:III.501.C.6]
- 1131 Benzene \leq 33.95 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1132 Ethyl benzene \leq 39.57 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1133 Toluene \leq 11.98 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1134 Ethylene \leq 2.21 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1135 Ammonia \leq 17.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1136 Carbon monoxide \leq 938.36 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1137 Nitrogen oxides \leq 1066.32 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1138 Particulate matter (10 microns or less) \leq 363.60 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP015 Styrene Monomer Plant

- 1139 Sulfur dioxide \leq 16.29 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1140 VOC, Total \leq 252.66 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 1141 Any major source as defined in LAC 33:III.502 is designated a Part 70 source and is required to obtain a permit which will meet the requirements of LAC 33:III.507. [LAC 33:III.507.A.1.a]
- 1142 No Part 70 source may operate after the time that the owner or operator of such source is required to submit a permit application under Subsection C of this Section, unless an application has been submitted by the submittal deadline and such application provides information addressing all applicable sections of the application form and has been certified as complete in accordance with LAC 33:III.517.B.1. No Part 70 source may operate after the deadline provided for supplying additional information requested by the permitting authority under LAC 33:III.519, unless such additional information has been submitted within the time specified by the permitting authority. Permits issued to the Part 70 source under this Section shall include the elements required by 40 CFR 70.6. The Louisiana Department of Environmental Quality hereby adopts and incorporates by reference the provisions of 40 CFR 70.6(a), as in effect on July 1, 2000. Upon issuance of the permit, the Part 70 source shall be operated in compliance with all terms and conditions of the permit. Noncompliance with any federally applicable term or condition of the permit shall constitute a violation of the Clean Air Act and shall be grounds for enforcement action; for permit termination, revocation and reissuance, or revision; or for denial of a permit renewal application. [LAC 33:III.507.B.2]
- 1143 Any Part 70 source for which construction or operation has begun prior to the effective date of LAC 33:III.507 shall submit an application for an initial Part 70 permit. Permit applications shall be prepared in accordance with LAC 33:III.517 and with forms and guidance provided by DEQ, and shall be submitted no later than one year after the effective date of the Louisiana Part 70 program. [LAC 33:III.507.C.1]
- 1144 Any source which becomes subject to the requirements of LAC 33:III.507 after the effective date of the Louisiana Part 70 program due to regulations promulgated by the Environmental Protection Agency or by the Department of Environmental Quality shall submit an application to the Office of Environmental Services, Permits Division in accordance with the requirements established by the applicable regulation. In no case shall the required application be submitted later than one year from the date on which the source first becomes subject to LAC 33:III.507. [LAC 33:III.507.C.3]
- 1145 Any permit application to renew an existing permit shall be submitted at least six months prior to the date of permit expiration, or at such earlier time as may be required by the existing permit or approved by the permitting authority. In no event shall the application for permit renewal be submitted more than 18 months before the date of permit expiration. [LAC 33:III.507.E.4]
- 1146 Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. [LAC 33:III.507.G.5]
- 1147 No major stationary source or major modification to which the requirements of this Part apply shall begin actual construction without a permit issued under this Section. [LAC 33:III.509.I.1]
- 1148 A major stationary source or major modification shall meet each applicable emissions limitation under the Louisiana State Implementation Plan and each applicable emissions standard and standard of performance under the Louisiana New Source Performance Standards (LNSPS) and Louisiana Emission Standards for Hazardous Air Pollutants (LESHAP) and Sections 111 and 112 of the Clean Air Act. [LAC 33:III.509.J.1]
- 1149 A new major stationary source shall apply best available control technology for each pollutant subject to regulation under this Section that it would have the potential to emit in significant amounts. [LAC 33:III.509.J.2]
- 1150 A major modification shall apply best available control technology for each pollutant subject to regulation under this Section which would result in a significant net emissions increase at the source. This requirement applies to each proposed emissions unit at which a net emissions increase in the pollutant would occur as a result of a physical change or change in the method of operation in the unit. [LAC 33:III.509.J.3]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP015 Styrene Monomer Plant

- 1151 For phased construction projects, the determination of best available control technology shall be reviewed and modified as appropriate at the latest reasonable time which occurs no later than 18 months prior to commencement of construction of each independent phase of the project. At such time, the owner or operator of the applicable stationary source may be required to demonstrate the adequacy of any previous determination of best available control technology for the source. [LAC 33:III.509.J.4]
- 1152 Do not construct or modify any stationary source subject to any standard set forth in LAC 33:III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33:III.Chapter 51.Subchapter A, after the effective date of the standard. [LAC 33:III.5105.A.1]
- 1153 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. [LAC 33:III.5105.A.2]
- 1154 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard. [LAC 33:III.5105.A.3]
- 1155 Do not fail to keep records, notify, report or revise reports as required under LAC 33:III.Chapter 51.Subchapter A. [LAC 33:III.5105.A.4]
- 1156 Submit initial annual emissions report (TEDI) to DEQ within 180 days of December 20, 1991. Identify the quantity of emissions of toxic air pollutants listed in Table 51.1 for the calendar year 1991. [LAC 33:III.5107.A.1]
- 1157 Submit Annual Emissions Report (TEDI): Due annually, by the 1st of July, to the Office of Environmental Assessment, Environmental Evaluation Division in a form specified by the department. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3. [LAC 33:III.5107.A.2]
- 1158 Include a certification statement with initial and subsequent annual emission reports and revisions to any emission report to attest that the information contained in the emission report is true, accurate, and complete, and signed by a responsible official, as defined in LAC 33:III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official. The certification statement shall read: "I certify, under penalty of perjury, that the emissions data provided is accurate to the best of my knowledge, information, and belief, and I understand that submitting false or misleading information will expose me to prosecution under state regulations" [LAC 33:III.5107.A.3]
- 1159 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but no later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere which results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property). [LAC 33:III.5107.B.1]
- 1160 Submit notification: Due to the Office of Environmental Compliance no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, where the emission control bypass was not the result of an upset, except as provided in LAC 33:III.5107.B.6. Notify by telephone at (225) 763-3908 during office hours, (225) 342-1234 after hours, weekends, and holidays, or by email utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. [LAC 33:III.5107.B.2]
- 1161 Submit notification: Due to the Office of Environmental Compliance immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere which does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33:III.3931, except as provided in LAC 33:III.5107.B.6. Notify by telephone at (225) 763-3908 during office hours, (225) 342-1234 after hours, weekends, and holidays, or by email utilizing the Incident Report Form and procedures found at www.deq.state.la.us/surveillance. [LAC 33:III.5107.B.3]
- 1162 Submit written report: Due within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33:III.5107.B.1 through 3. Submit report to the Office of Environmental Compliance by certified mail. Include the information specified in LAC 33:III.5107.B.4.a.i through viii. [LAC 33:III.5107.B.4]
- 1163 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, in the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge. [LAC 33:III.5107.B.5]
- 1164 Achieve compliance with ambient air standards unless it can be demonstrated to the satisfaction of DEQ that compliance with an ambient air standard would be economically infeasible; that emissions could not reasonably be expected to pose a threat to public health or the environment; and that emissions would be controlled to a level that is Maximum Achievable Control Technology. [LAC 33:III.5109.B.3]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP015 Styrene Monomer Plant

- 1165 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]
- 1166 Develop a standard operating procedure (SOP) within 120 days after achieving or demonstrating compliance with the standards specified in LAC 33:III.Chapter 51. Detail in the SOP all operating procedures or parameters established to ensure that compliance with the applicable standards is maintained and address operating procedures for any monitoring system in place, specifying procedures to ensure compliance with LAC 33:III.5113.C.5. Make a written copy of the SOP available on site or at an alternate approved location for inspection by DEQ. Provide a copy of the SOP within 30 days upon request by the department. [LAC 33:III.5109.C]
- 1167 Submit notification: Due to the permitting authority prior to the initiation of any project which will result in emission reductions. Include in the notification a description of the proposed action, a location map, a description of the composition of air contaminants involved, the rate and temperature of the emissions, the identity of the sources involved and the change in emissions. Make any appropriate permit revision reflecting the emission reduction no later than 180 days after commencement of operation and in accordance with the procedures of LAC 33:III.Chapter 5. [LAC 33:III.5111]
- 1168 Obtain a Louisiana Air Permit in accordance with LAC 33:III.5111.B and C and in accordance with LAC 33:I.1701, before commencement of the construction of any new source. [LAC 33:III.5111.A.1]
- 1169 Obtain a permit modification in accordance with LAC 33:III.5111.B and C before commencement of any modification not specified in a compliance plan submitted under LAC 33:III.5109.D, if the modification will result in an increase in emissions of any toxic air pollutant or will create a new point source. [LAC 33:III.5111.A.2.a]
- 1170 Do not commence construction or modification of any major source without first obtaining written authorization from DEQ, as specified. [LAC 33:III.5111.A]
- 1171 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up. [LAC 33:III.5113.A.1]
- 1172 Submit notification in writing: Due to the Office of Environmental Compliance, Surveillance Division within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source. [LAC 33:III.5113.A.2]
- 1173 Ensure that all testing done to determine the emission of toxic air pollutants, upon request by the department, is conducted by qualified personnel. [LAC 33:III.5113.B.1]
- 1174 Submit test results: Due in writing to the Office of Environmental Assessment, Environmental Technology Division within 45 days after completion of the test. Submit test results signed by the person responsible for the test. [LAC 33:III.5113.B.1]
- 1175 Conduct emission tests as set forth in accordance with Test Methods of 40 CFR, parts 60, 61, and 63 or in accordance with alternative test methods approved by DEQ. [LAC 33:III.5113.B.2]
- 1176 Provide necessary sampling and testing facilities, exclusive of instruments and sensing devices, as needed to properly determine the emission of toxic air pollutants, upon request of the department. [LAC 33:III.5113.B.3]
- 1177 Provide emission testing facilities as specified in LAC 33:III.5113.B.4.a through e. [LAC 33:III.5113.B.4]
- 1178 Analyze samples and determine emissions within 30 days after each emission test has been completed. [LAC 33:III.5113.B.5]
- 1179 Submit certified letter: Due to the Office of Environmental Assessment, Environmental Technology Division before the close of business on the 45th day following the completion of the emission test. Report the determinations of the emission test. [LAC 33:III.5113.B.5]
- 1180 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of emissions testing. Retain records of emission test results and other data needed to determine emissions. Retained records at the source, or at an alternate location approved by DEQ for a minimum of two years, and make available upon request for inspection by DEQ. [LAC 33:III.5113.B.6]
- 1181 Submit notification: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before the emission test. Submit notification of emission test to allow DEQ the opportunity to have an observer present during the test. [LAC 33:III.5113.B.7]
- 1182 Maintain and operate each monitoring system in a manner consistent with good air pollution control practices for minimizing emissions. Repair or adjust any breakdown or malfunction of the monitoring system as soon as practicable after its occurrence. [LAC 33:III.5113.C.1]
- 1183 Conduct performance evaluation of the monitoring system when required at any other time requested by DEQ. [LAC 33:III.5113.C.2]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP015 Styrene Monomer Plant

- 1184 Submit performance evaluation report: Due to the Office of Environmental Assessment, Environmental Technology Division within 60 days of the monitoring system performance evaluation. [LAC 33:III.5113.C.2]
- 1185 Submit notification in writing: Due to the Office of Environmental Assessment, Environmental Technology Division at least 30 days before a performance evaluation of the monitoring system is to begin. [LAC 33:III.5113.C.2]
- 1186 Install a monitoring system on each effluent or on the combined effluent, when monitoring is required and the effluents from a single source, or from two or more sources subject to the same emission standards, are combined before being released to the atmosphere. If two or more sources are not subject to the same emission standards, install a separate monitoring system on each effluent, unless otherwise specified. If the applicable standard is a mass emission standard and the effluent from one source is released to the atmosphere through more than one point, install a monitoring system at each emission point unless DEQ approves the installation of fewer systems. [LAC 33:III.5113.C.3]
- 1187 Evaluate the performance of continuous monitoring systems, upon request by DEQ, in accordance with the requirements and procedures contained in the applicable performance specification of 40 CFR Part 60, appendix B. [LAC 33:III.5113.C.5.a]
- 1188 Submit report: Due to DEQ within 60 days of the performance evaluation of the CMS, if requested. Furnish DEQ with two or more copies of a written report of the test results within 60 days. [LAC 33:III.5113.C.5.a]
- 1189 Install all continuous monitoring systems or monitoring devices to make representative measurements under variable process or operating parameters, if required to install a CMS. [LAC 33:III.5113.C.5.d]
- 1190 Collect and reduce all data as specified in LAC 33:III.5113.C.5.e.i and ii, if required to install a CMS. [LAC 33:III.5113.C.5.e]
- 1191 Submit plan: Due to the Office of Environmental Assessment, Environmental Technology Division within 90 days after DEQ requests either the initial plan or an updated plan, if required by DEQ to install a continuous monitoring system. Submit for approval a plan describing the affected sources and the methods for ensuring compliance with the continuous monitoring system. [LAC 33:III.5113.C.5]
- 1192 Maintain records of monitoring data, monitoring system calibration checks, and the occurrence and duration of any period during which the monitoring system is malfunctioning or inoperative. Maintain these records at the source, or at an alternative location approved by DEQ, for a minimum of three years and make available, upon request, for inspection by DEQ. [LAC 33:III.5113.C.7]
- 1193 An individual or company contracted to perform a demolition or renovation activity which disturbs RACM must be recognized by the Licensing Board for Contractors to perform asbestos abatement, and shall meet the requirements of LAC 33:III.5151.F.2 and F.3 for each demolition or renovation activity. [LAC 33:III.5151.F.1.f]
- 1194 Provide written notification to the Administrator of intent to conduct renovations or demolitions involving regulated asbestos-containing material (RACM). Provide the information specified in LAC 33:III.5151.F.2.a-g to the Administrator. [LAC 33:III.5151.F.2]
- 1195 Submit permit application: Due prior to commencement of construction, reconstruction, or modification of the source, for new or modified sources. Do not commence construction, reconstruction, or modification of any source required to be permitted under LAC 33:III.Chapter 5 prior to approval by the permitting authority. [LAC 33:III.517.A.1]
- 1196 Submit permit application: Due by the date established for submittal in accordance with LAC 33:III.507.C. The permit application is for an initial permit to be issued in accordance with LAC 33:III.507. Provide a copy of each permit application pertaining to a major Part 70 source to EPA at the time of application submittal to the permitting authority. [LAC 33:III.517.A.2]
- 1197 Any application form, report, or compliance certification submitted under this Chapter shall contain certification by a responsible official of truth, accuracy, and completeness. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information contained in the application are true, accurate, and complete. [LAC 33:III.517.B.1]
- 1198 In addition to those elements listed under LAC 33:III.517.D, include in each application pertaining to a Part 70 source the information specified in LAC 33:III.517.E, Subparagraphs 1-8. [LAC 33:III.517.E]
- 1199 Submit permit modification application: Due within 45 days of obtaining relevant test results. The permit modification or amendment shall include all information necessary to process the request, and is required if testing demonstrates that the terms and conditions of the existing permit are inappropriate or inaccurate. [LAC 33:III.523.A]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP015 Styrene Monomer Plant

- 1200 Submit application for temporary exemption for testing: Due prior to test initiation. Submit the information specified in LAC 33:III.517 (with the exception of the data being measured in the test). Conduct testing for the minimum duration consistent with obtaining valid results. [LAC 33:III.523.B.2]
- 1201 Submit test results: Due within 30 days of test completion to the administrative authority. The report details the conditions that were found to exist during a temporary exemption for testing. State if there is to be no permanent change in emissions from pretest conditions. [LAC 33:III.523.B.3]
- 1202 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.561.1, Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 1203 Permittee shall comply with all applicable provisions of 40 CFR 60 Subpart A. [40 CFR 60]
- 1204 Provide DEQ with written notice of intention to demolish or renovate prior to performing activities to which 40 CFR 61 Subpart M applies. Delivery of the notice by U.S. Postal Service, commercial delivery service, or hand delivery is acceptable. [40 CFR 61.145(b)(1)]
- 1205 Do not install or reinstall on a facility component any insulating materials that contain commercial asbestos if the materials are either molded and friable or wet-applied and friable after drying. Subpart M. [40 CFR 61.148]
- 1206 Equipment/operational data recordkeeping by electronic or hard copy continuously Maintain records as specified in 40 CFR 61.356(a) through (n). Maintain each record in a readily accessible location at the facility site for a period not less than two years from the date the information is recorded unless otherwise specified. Subpart FF. [40 CFR 61.356]
- 1207 Submit report: Due annually, beginning on the date that equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3) or, if the information in 40 CFR 61.357(a)(1) through (3) is not changed in the following year, a statement to that effect. Subpart FF. [40 CFR 61.357(d)(2)]
- 1208 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a certification that all of the required inspections have been carried out in accordance with the requirements of 40 CFR 61 Subpart FF. Subpart FF. [40 CFR 61.357(d)(6)]
- 1209 Submit report: Due quarterly, beginning three months after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Include the information specified in 40 CFR 61.357(d)(7)(i) through (d)(7)(v). Subpart FF. [40 CFR 61.357(d)(7)]
- 1210 Submit report: Due annually, beginning one year after the date that the equipment necessary to comply with 40 CFR 61 Subpart FF has been certified in accordance with 40 CFR 61.357(d)(1). Submit a report that summarizes all inspections required by 40 CFR 61.342 through 61.354 during which detectable emissions are measured or a problem that could result in benzene emissions is identified, including information about the repairs or corrective action taken. Subpart FF. [40 CFR 61.357(d)(8)]
- 1211 Permittee shall comply with all applicable provisions in 40 CFR 61 Subpart A. [40 CFR 61]
- 1212 Submit startup, shutdown, and malfunction report: Due semiannually (or on a more frequent basis if specified). Deliver or postmark by the 30th day following the end of each calendar half (or other calendar reporting period, as appropriate). Submit report only if a startup, shutdown or malfunction occurred during the reporting period. Include a letter containing the name, title and signature of the owner or operator or other responsible official who is certifying its accuracy. This report may be submitted simultaneously with the excess emissions and continuous monitoring system performance report. Subpart A. [40 CFR 63.10(d)(5)(j)]
- 1213 Submit startup, shutdown, and malfunction report: Due within 2 working days after commencing actions during a startup, shutdown, or malfunction (including actions taken to correct a malfunction) that are not consistent with the procedures in the startup, shutdown, and malfunction plan. Submit report by telephone call or facsimile transmission. Follow report with a letter, delivered or postmarked within 7 working days after the end of the event, that contains the name, title, and signature of the owner or operator or other responsible official who is certifying its accuracy, explaining the circumstances of the event, the reasons for not following the startup, shutdown, and malfunction plan, and whether any excess emissions and/or parameter monitoring exceedances are believed to have occurred. Subpart A. [40 CFR 63.10(d)(5)(ii)]. [40 CFR 63.10(d)(5)(iii)]
- 1214 Submit the reports listed in 40 CFR 63.152(a)(1) through (a)(5) and keep continuous records of monitored parameters as specified in 40 CFR 63.152(f). [40 CFR 63.152(a)]

SPECIFIC REQUIREMENTS

AI ID: 1607 - TOTAL Petrochemicals USA Inc - Cos-Mar Co

Activity Number: PER20070002

Permit Number: 1280-00013-V4

Air - Title V Regular Permit Minor Mod

GRP015 Styrene Monomer Plant

- 1215 Develop and implement a written startup, shutdown, and malfunction plan that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction and a program of corrective action for malfunctioning process and air pollution control equipment used to comply with the relevant standard. Identify in the plan all routine or otherwise predictable CMS malfunctions, as required under 40 CFR 63.8(c)(1)(i). Develop the plan by the source's compliance date for that relevant standard. Incorporate by reference into the Title V permit. [40 CFR 63.6(e)(3)]. [40 CFR 63.6(e)(3)]
- 1216 Permittee shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 3 of 40 CFR 63 Subpart F. Subpart A. [40 CFR 63]
- 1217 Comply with the applicable provisions of 40 CFR 63 Subpart DDDDD. [40 CFR 63]
- 1218 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
- 1219 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 1220 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 1221 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 1222 Comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B. [40 CFR 82.Subpart F]

GRP016 140-02 Styrene Tank Emission Cap

- 1223 Annual Throughput \leq 563 MM gallons/yr of all tanks in the Styrene Storage Tank Emission Cap (Part 70 Specific Condition 6 of Permit No. 1280-00013-V0). [LAC 33:III.501.C.6]
- 1224 Total Throughput recordkeeping by electronic or hard copy monthly of all tanks in the Styrene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]
- 1225 Total Throughput recordkeeping by electronic or hard copy annually of all tanks in the Styrene Storage Tank Emission Cap. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Total throughput above the maximum listed for any twelve consecutive month period shall be a violation of this permit and must be reported to the Office of Environmental Compliance, Enforcement Division. [LAC 33:III.501.C.6]
- 1226 Submit report: Due annually, by the 31st of March. A report showing the total throughput of all tanks in the Styrene Storage Tank Emission Cap in the preceding calendar year, as well as the twelve consecutive month total for each month, shall be submitted to the Enforcement Division as an addendum to Cos-Mar's Part 70 General Condition M compliance certification. [LAC 33:III.501.C.6]
- 1227 Records of tank cleanouts/inspections shall be maintained and kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [LAC 33:III.501.C.6]